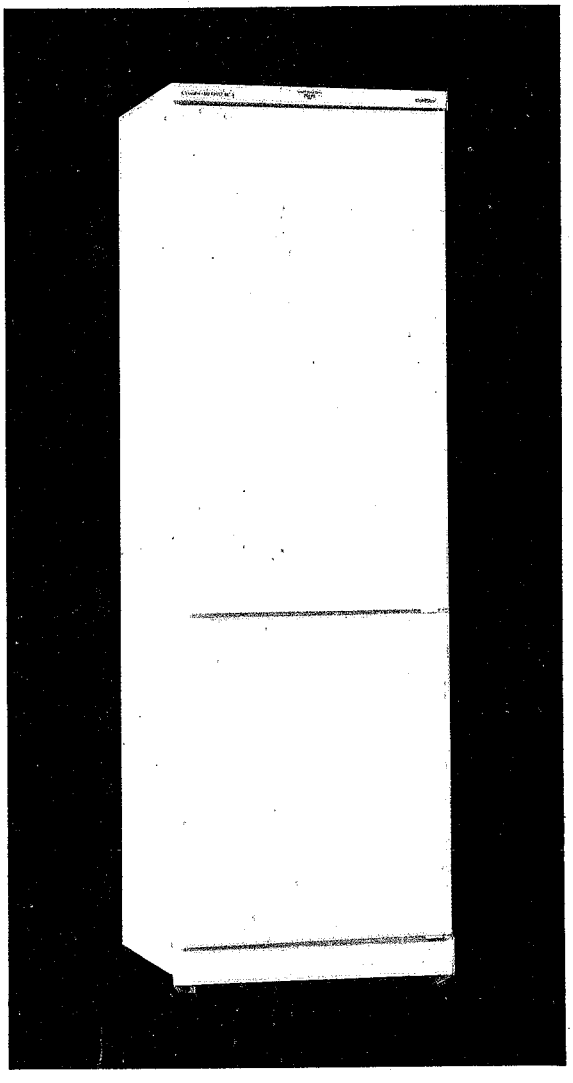
SERVICE MANUAL

MODEL

GR - 3423 DRI	GR - 3322 DSI
GR - 3433 DRI	GR - 3332 DSI
GR - 3823 CRI	GR - 3722 CSI
GR - 3533 CRI	GR - 3432 CSI



MULTIFUNCTION
NO FROST

GoldStar

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1. GR-3423DRI / GR-3433DRI GR-3322DSI / GR-3332DSI

SPECIFICATIONS

		GR-3423DRI/GR-3322DSI	GR-3433DRI/GR-3332DSI
VOLUME	FREEZER	68 Li	68 Li
	REFRIGERATOR	217 Li	174 Li CHILLER 46 Li
	TOTAL	285 Li	288 Li
DIMENSIONS		595 mm x 600 mm x 1630 mm	595 mm x 600 mm x 1764 mm
DIMENSIONS WHEN OPEN THE DOOR 90°		595 mm x 1165 mm x 1630 mm	595 mm x 1165 mm x 1764 mm
NET WEIGHT		61 kg	65 kg
CABINET		Pre-Coated Metal	
INNER & DOOR LINER		Vacuum Foamed By A.B.S.	
INSULATION		Polyurethane Foam	
COMPRESSOR		Goldstar V-75 LAEG	
V, HZ		220/240 V, 50Hz	
PTC STARTER		P470 MC	
OVERLOAD PROTECTOR		4 TM 283 NFB	
EVAPORATOR		Vertical type with heater	
CONDENSER		skin condenser in back plate and drain condenser	
REFRIGERANT		R 134 a	
DEFROST HEATER ON EVA.		125W	
DEFROST HEATER BELOW EVA.		40W	

ELECTRIC PARTS SPECIFICATIONS

	GR-3423DRI/GR-3322DSI	GR-3433DRI/GR-3332DSI
THERMOSTAT	Atea A01-0183	
V, HZ	220V 50/60Hz	
ON (Temp.)	-15°C	
OFF (Temp.)	-26°C	
DEFROST THERMOSTAT	ELTH 2611-77	
ON (Temp.)	0°C	
OFF (Temp.)	+15°C	
FUSE	ISPRACONTROL'S	
SAFETY TEMPERATURE	+72°C	
DEFROST TIMER	Sankyo TMDE 706 SC	
V, HZ	220/240V 50/60 Hz	
RUNNING TIME (50Hz)	7h 54 min ± 12 min	
RUNNING TIME (60Hz)	6h 35 min ± 10 min	
DEFROST TIME (50Hz)	7 min ± 2 min 24 sec	
DEFROST TIME (60Hz)	5 min 50 sec ± 2 min	
FAN MOTOR	OH-SUNG, SUNG SHIN	
R.P.M.	2800	
V, HZ	220V 50/60 Hz	
W	7 W	
FAN	Ø 88 mm	
FAN SWITCH	ELTEK	
TYPE	N.A.	
FAN AND LAMP SWITCH	ELTEK	
TYPE	N.A. - N.C.	

2. GR-3823CRI / GR-3533CRI GR-3722CSI / GR-3432CSI SPECIFICATIONS

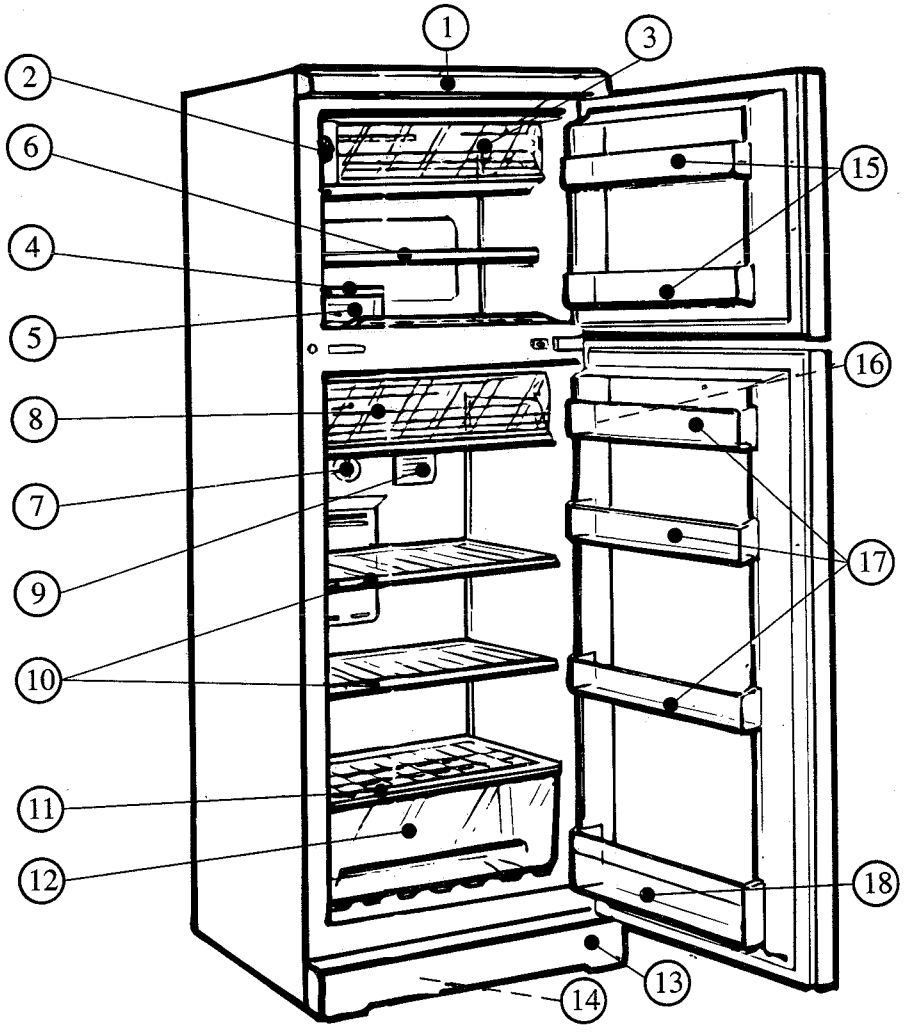
		GR-3823CRI/GR-3722CSI	GR-3533CRI/GR-3432CSI
VOLUME	FREEZER	87 Li	87 Li
	REFRIGERATOR	238 Li	162 Li CHILLER 48 Li
	TOTAL	325 Li	297 Li
DIMENSIONS		595 mm x 600 mm x 1870 mm	595 mm x 600 mm x 1870 mm
DIMENSIONS WHEN OPEN THE DOOR 90°		595 mm x 1165 mm x 1870 mm	595 mm x 1165 mm x 1870 mm
NET WEIGHT		71 kg	74 kg
CABINET		Pre-Coated Metal	
INNER & DOOR LINER		Vacuum Foamed By A.B.S.	
INSULATION		Polyurethane Foam	
COMPRESSOR		Goldstar V-75 LAEG	
V, HZ		220/240 V, 50Hz	
PTC STARTER		P470 MC	
OVERLOAD PROTECTOR		4 TM 283 NFB	
EVAPORATOR		Vertical type with heater	
CONDENSER		skin condenser in back plate and drain condenser	
REFRIGERANT		R 134 a	
DEFROST HEATER ON EVA.		125W	
DEFROST HEATER BELOW EVA.		40W	

ELECTRIC PARTS SPECIFICATIONS

	GR-3823CRI/GR-3722CSI	GR-3533CRI/GR-3432CSI
THERMOSTAT	Atea A01-0183	
V, HZ	220V 50/60Hz	
ON (Temp.)	-15°C	
OFF (Temp.)	-26°C	
DEFROST THERMOSTAT	ELTH 2611-77	
ON (Temp.)	0°C	
OFF (Temp.)	+15°C	
FUSE	ISPRACONTROL'S	
SAFETY TEMPERATURE	+72°C	
DEFROST TIMER	Sankyo TMDE 706 SC	
V, HZ	220/240V 50/60 Hz	
RUNNING TIME (50Hz)	7h 54 min ± 12 min	
RUNNING TIME (60Hz)	6h 35 min ± 10 min	
DEFROST TIME (50Hz)	7 min ± 2 min 24 sec	
DEFROST TIME (60Hz)	5 min 50 sec ± 2 min	
FAN MOTOR	OH-SUNG, SUNG SHIN	
R.P.M.	2800	
V, HZ	220V 50/60 Hz	
W	7 W	
FAN	Ø 100 mm	
FAN SWITCH	ELTEK	
TYPE	N.A.	
FAN AND LAMP SWITCH	ELTEK	
TYPE	N.A. - N.C.	

REFRIGERATOR OF MAIN PARTS

1. GR-3423DRI / GR-3322DSI



1) TOP TABLE

2) FREEZING ROOM CONTROL-KNOB

3) QUICK FREEZING ROOM

4) CRISTAL TRAY

5) ICE CUBES STORAGE

6) TRAY FREEZER

7) REFRIGERATOR CONTROL KNOB

8) CHILLER 0°C ROOM

9) LAMP

10) TRAY REFRIGERATOR

11) UPPER SHELF OF CRISPER WITH HUMIDITY CONTROL FILTER

12) CRISPER

13) COVER LOWER

14) DEFROST WATER CONTAINER

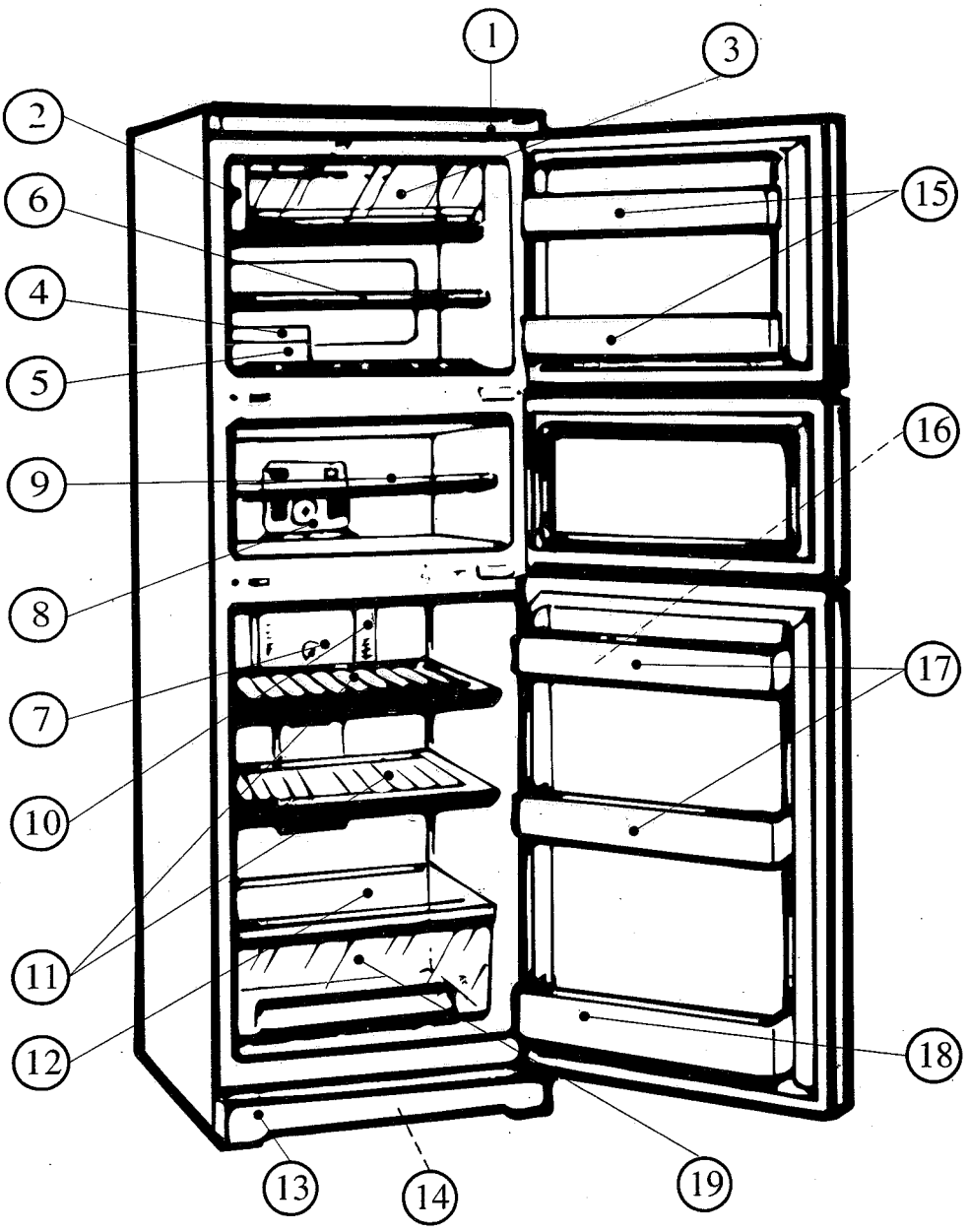
15) DOOR-BASKET FREEZER

16) EGGS TRAY

17) DOOR-BASKET REFRIGERATOR

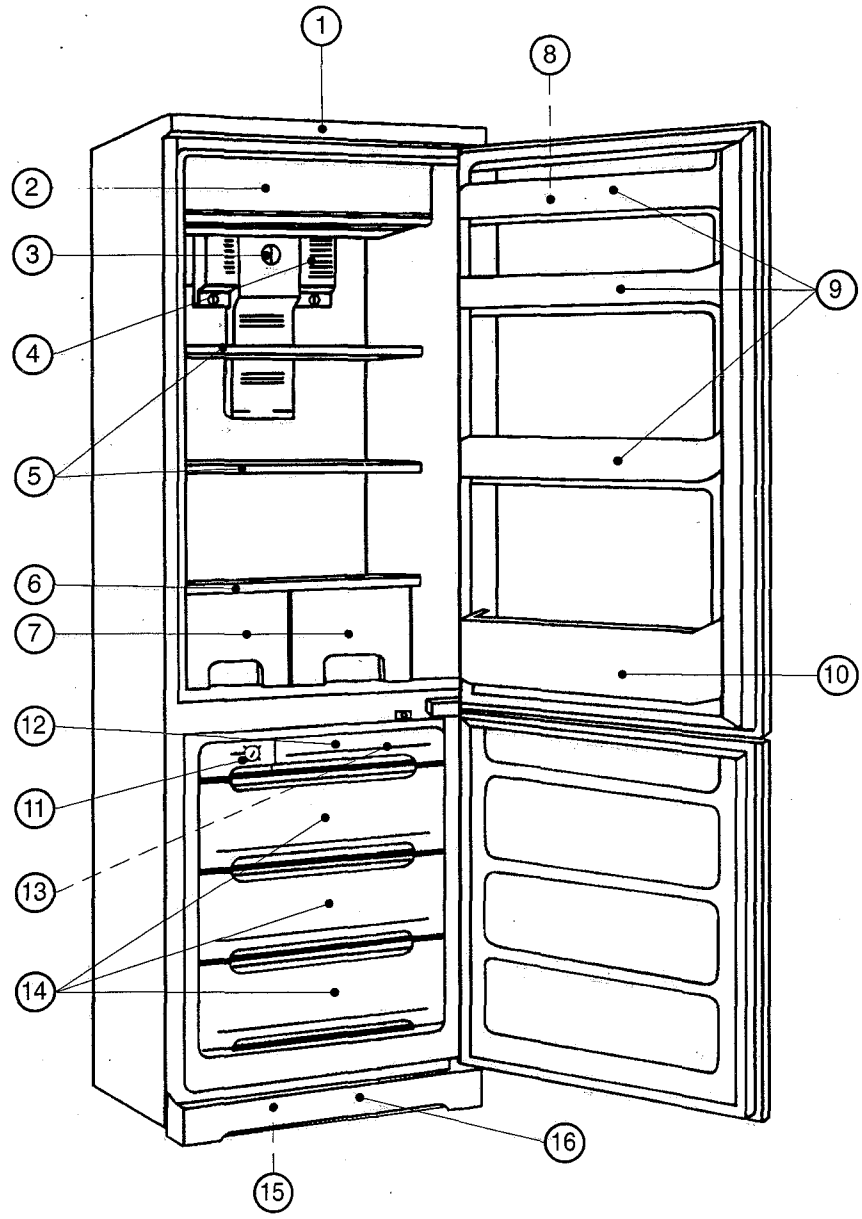
18) DOOR-BASKET BOTTLES

2. GR-3433DRI / GR-3332DSI



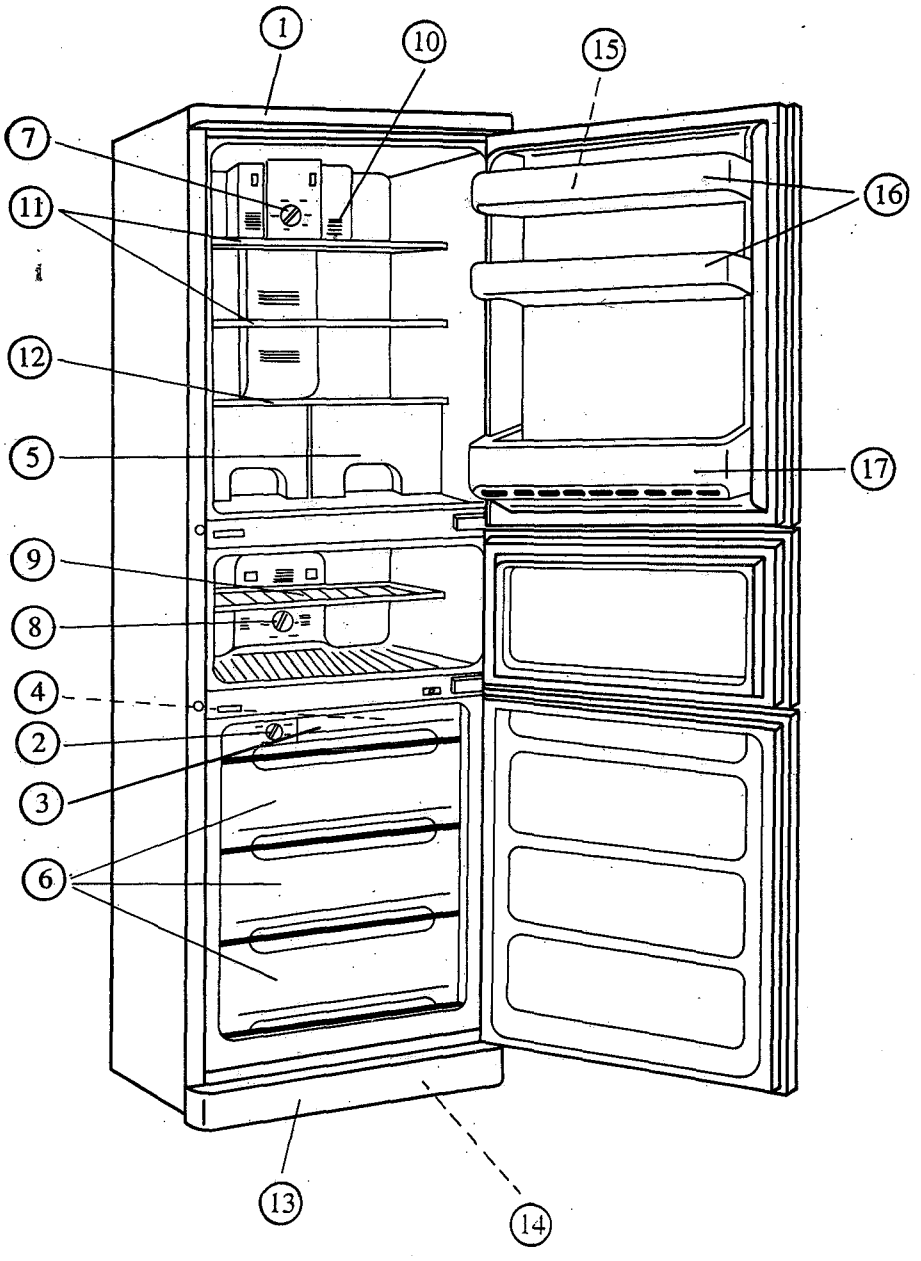
1) TOP TABLE
2) FREEZING ROOM CONTROL-KNOB
3) QUICK FREEZING ROOM
4) CRISTAL ICE TRAY
5) ICE CUBES STORAGE
6) TRAY FREEZER
7) REFRIGERATOR CONTROL KNOB
8) MULTIFUNCTION ROOM CONTROL-KNOB
9) TRAY MULTIFUNCTION ROOM
10) LAMP
11) TRAY REFRIGERATOR
12) UPPER SHELF OF CRISPER WITH HUMIDITY CONTROL FILTER
13) COVER LOWER
14) DEFROST WATER CONTAINER
15) DOOR-BASKET FREEZER
16) EGGS TRAY
17) DOOR-BASKET REFRIGERATOR
18) DOOR-BASKET BOTTLES
19) CRISPER

3. GR-3823CRI / GR-3722CSI



1) TOP TABLE
2) CHILLER COMPARTMENT 0°C
3) REFRIGERATOR CONTROL KNOB
4) LAMP
5) TRAY REFRIGERATOR
6) UPPER SHELF OF CRISPER WITH HUMIDITY CONTROL FILTER
7) CRISPER
8) EGGS TRAY
9) DOOR BASKET REFRIGERATOR
10) DOOR BASKET FOR BOTTLES
11) FREEZING ROOM CONTROL-KNOB
12) BASKET QUICK FREEZER
13) ICE TRAY
14) DRAWER BASKET FREEZER
15) DEFROST WATER CONTAINER
16) COVER LOWER

4. GR-3533CRI / GR-3432CSI



1) TOP TABLE
2) FREEZING ROOM CONTROL-KNOB
3) BASKET QUICK FREEZER
4) ICE TRAY
5) CRISPER
6) DRAWER BASKET FREEZER
7) REFRIGERATOR CONTROL-KNOB
8) MULTIFUNCTION ROOM CONTROL-KNOB
9) TRAY MULTIFUNCTION ROOM
10) LAMP
11) TRAY REFRIGERATOR
12) UPPER SHELF OF CRISPER WITH HUMIDITY CONTROL FILTER
13) COVER LOWER
14) DEFROST WATER CONTAINER
15) EGGS TRAY
16) DOOR-BASKET REFRIGERATOR
17) DOOR-BASKET FOR BOTTLES

TEMPERATURE DISTRIBUTION

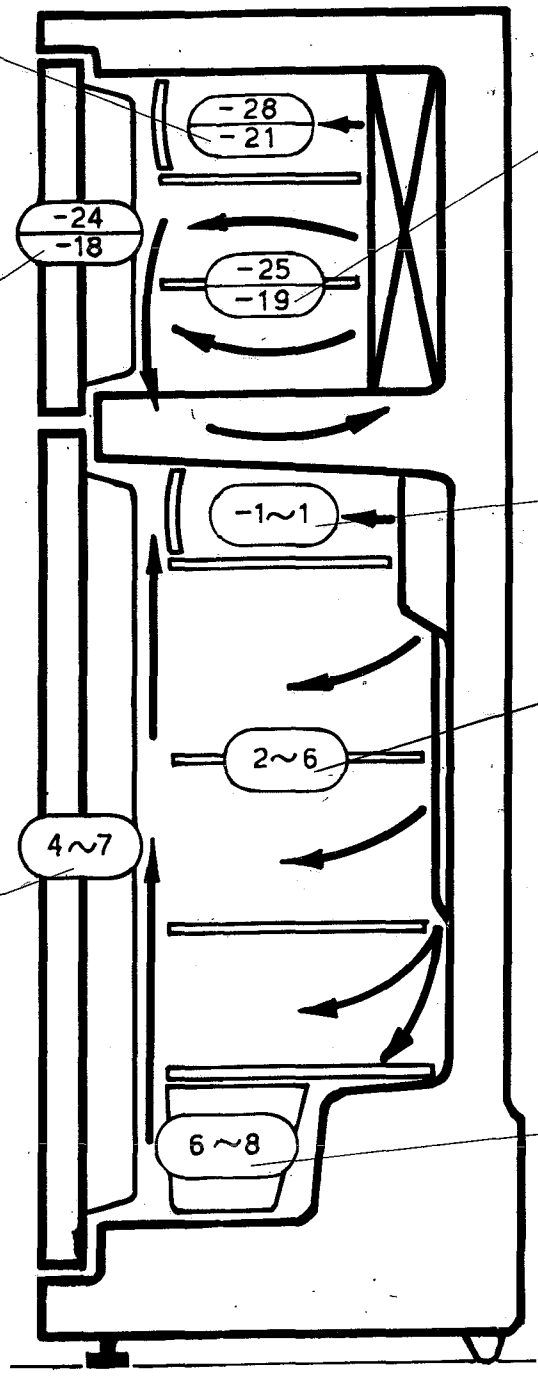
1. GR-3423DRI / GR-3322DSI

Quick freezing
- rapidly freezes fresh foods.

Freezer door compartment
- conserves frozen foods.

Do not use the freezer door compartment to keep frozen foods for long periods (when the door is open the temperature in this area tends to increase).

Refrigerator door compartment
- conserves bottles, milk, and food products containing lcatobacilli (like yogurt, etc.).
- conserves eggs, butter, and other products in small packages that need refrigeration.



Freezer
- freezes fresh foods.
- conserves frozen foods.
- makes ice cubes.

Chiller 0°C
- conserver fresh fish and meats
- conserver delicate and/or perishable foods.

Refrigerator
- conserver cooked and fresh foods that need.

Vegetable bins with humidity control
- conserver fruits and vegetables.

The numbers shown in the illustration indicate the temperature (°C) in that area of the refrigerator when the temperature control knob is on **MED** and the freezer temperature control knob is on **SUPER** and/or **MED**.

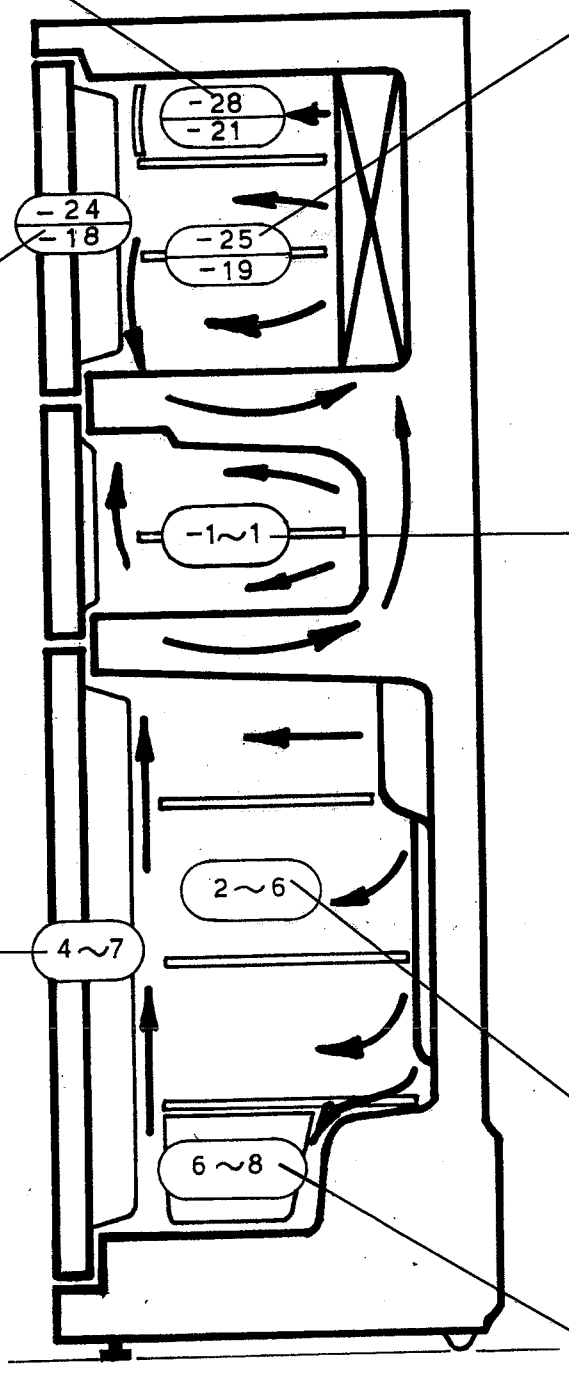
2. GR-3433DRI / GR-3332DSI

Quick freezing
- rapidly freezes fresh foods.

Freezer door compartment
- conserves frozen foods.

Do not use the freezer door compartment to keep frozen foods for long periods (when the door is open the temperature in this area tends to increase).

Refrigerator door compartment
- conserves bottles, milk, and food products contraining lcatobacilli (like yogurt, etc.).
- conserves eggs, butter, and other products in small packages that need refrigeration.



Freezer
- freezes fresh foods.
- conserves frozen foods.
- makes ice cubes.

Multifuction room
Function of freezer -16/-10 °C
2 star
- keeping frozen foods.
- making ice cubes and freezing foods.

Function of chiller -1/1 °C
- keeping meat, fish, and poultry at freezeing temperature, sealing in freshness and ordor.

Function of refrigerator 0/8 °C
- conserves cooked and fresh foods that need refrigeration.

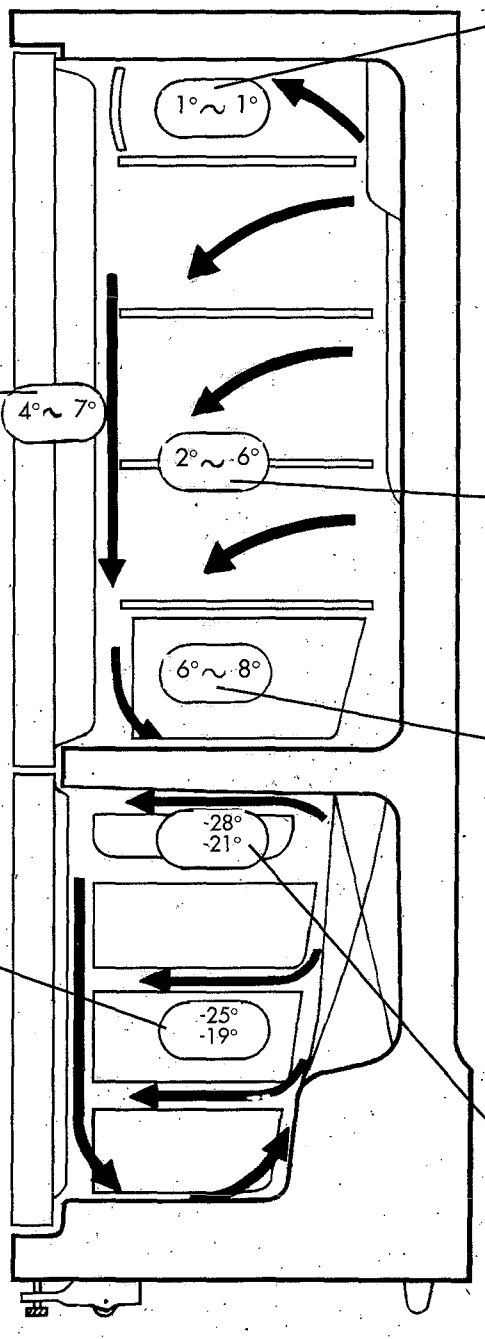
Or even stopped to save energy.

Refrigerator
- conserves coocked and fresh foods that need refrigeration.

Vegetables bins with humidity control
- conserves fruits and vegetables.

The numbers shown in the illustration indicate the temperature (°C) in that area of the refrigerator when the temperature control knob is on **"MED"** and the freezer temperature control knob is on **"SUPER"** and/or **"MED"**.

3. GR-3823CRI / GR-3722CSI



Chiller 0° C
- conserves fresh fish and meats.
- conserves delicate and/or perishable foods.

Refrigerator door compartment
- conserves bottles, milk, and food products containing lactobacilli (like yogurt, etc.).
- conserves eggs, butter, and other products in small packages that need refrigeration.

Refrigerator
- conserves cooked and fresh foods that need.

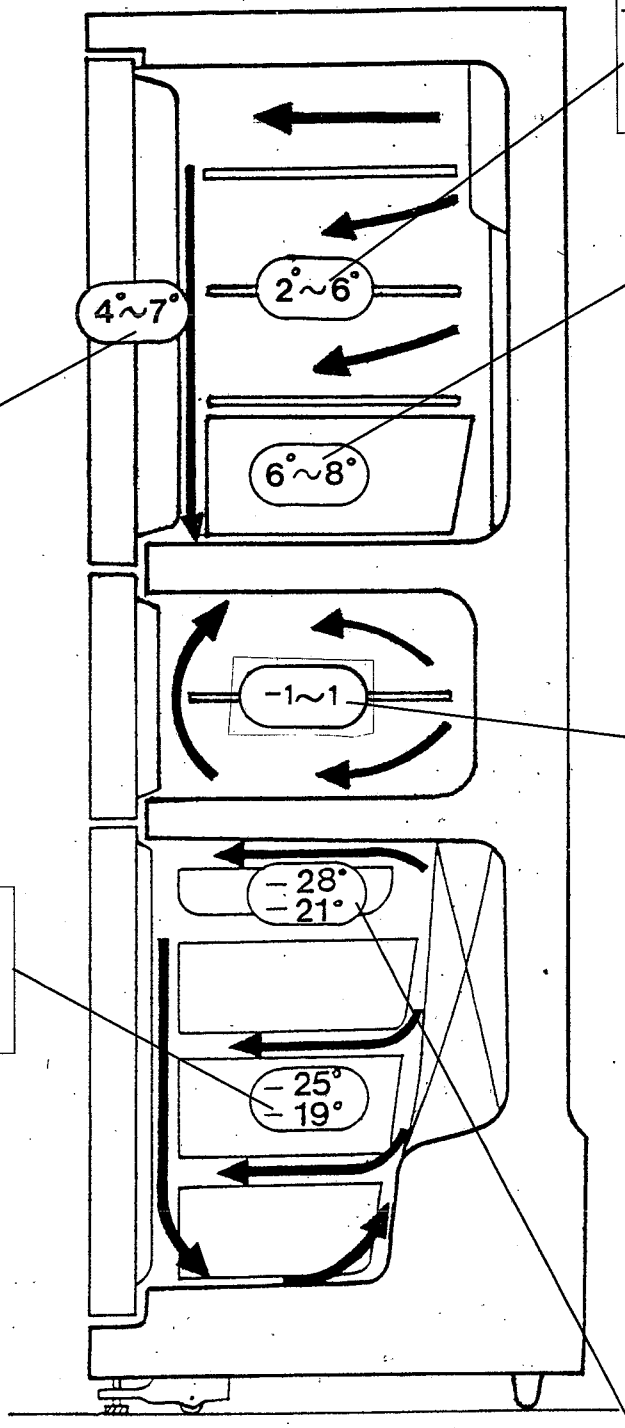
Vegetable bins with humidity control
- conserves fruits and vegetables.

Freezer
- freezes fresh foods.
- conserves frozen foods.
- makes ice cubes.

Quick freezing
- rapidly freezes fresh foods.

The numbers shown in the illustration indicate the temperature (°C) in that area of the refrigerator when the temperature control knob is on **"MED"** and the freezer temperature control knob is on **"SUPER"** and/or **"MED"**

4. GR-3533CRI / GR-3432CSI



Refrigerator
- conserves cooked and fresh foods that need. refrigeration.

Vegetable bins with humidity control
- conserves fruits and vegetables.

Refrigerator door compartment
- conserves bottles, milk, and food products containing lactobacilli (like yogurt, etc.).
- conserves eggs, butter, and other products in small packages that need refrigeration.

Multifunction room

Function of freezer -16/-10 °C

2 star
- keeping frozen foods.
- making ice cubes and freezing foods.

Function of chiller -1/1 °C

- keeping meat, fish, and poultry at freezing temperature, sealing in freshness and ordor.

Function of refrigerator 0/8 °C

- conserves coocked and fresh foods that need refrigeration.

Or even stopped to save energy.

Freezer
- freezes fresh foods.
- conserves frozen foods.
- makes ice cubes.

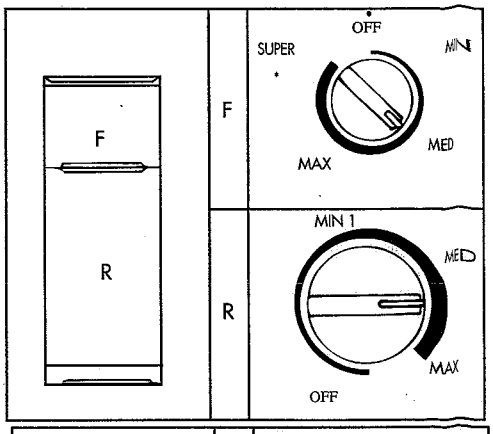
Quick freezing
- rapidly freezes fresh foods.

The numbers shown in the illustration indicate the temperature (°C) in that area of the refrigerator when the temperature control knob is on **"MED"** and the freezer temperature control knob is on **"SUPER"** and/or **"MED"**

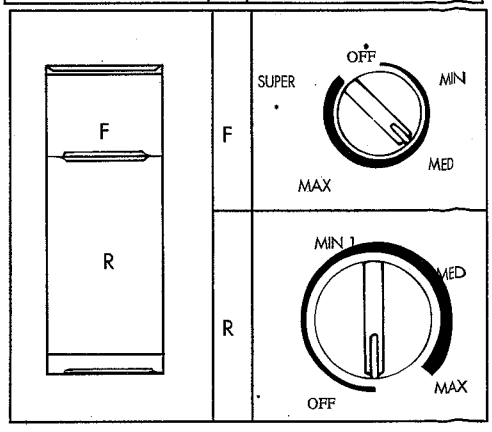
TEMPERATURE REGULATION

1. GR-3423DRI / GR-3322DSI

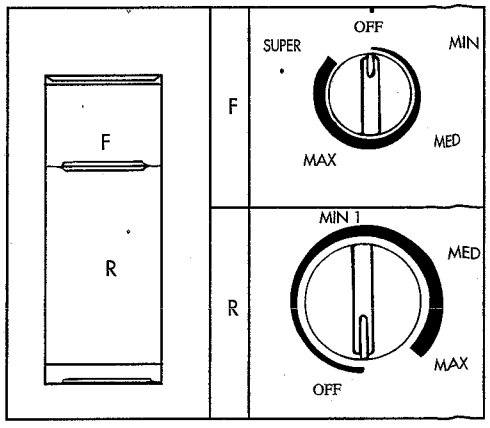
This cold air ventilated NO FROST refrigerator has regulation wich is separately controlled for each of the compartments without effecting the temperature in the others.



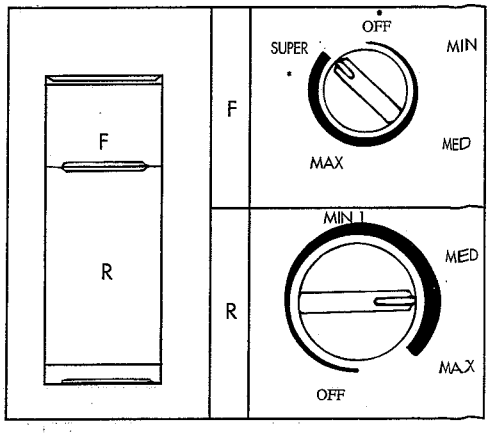
In normal use, it is recommended that the knob be set at "MED".
To abtain colder temperatures turn the knob towards "MAX", warner towards "MIN".



If the fridge temperature control knob is turned to "OFF", this will not affect the freezer compartment which will continue to work normally.



If the freezer temperature control knob is turned to "OFF" all the compartments of the unit are disabled.
WARNING: the unit will still be connected to the mains.



If the freezer temperature knob is turned to "SUPER" the compressor will continue to work; this is essential in order to freezer foodstuffs.

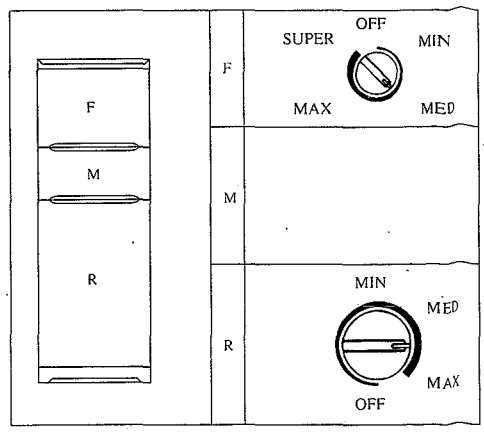
Note:

F = freezer
R = refrigerator

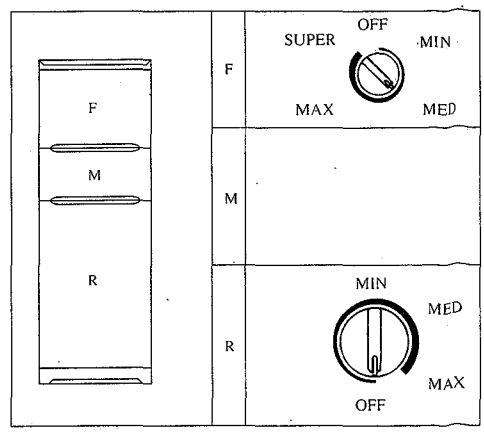
2. GR-3433DRI / GR-3332DSI

This cold air ventilated NO FROST refrigerator has regulation wich is separately controlled for each of the compartments without effecting the temperature in the others.

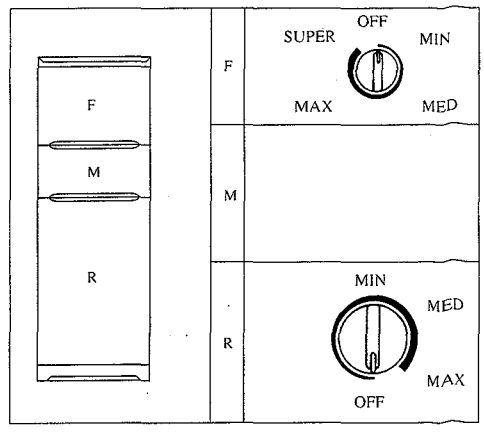
In normal use, it is recommended that the knob be set at "MED".
To abtain colder temperatures turn the knob towards "MAX", warner towards "MIN".



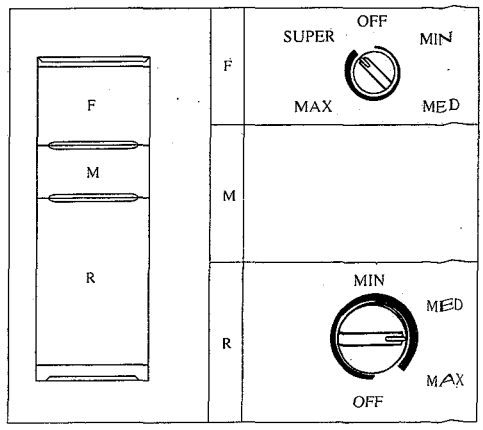
If the fridge temperature control knob is turned to "OFF", this will not affect the freezer compartment which will continue to work normally.



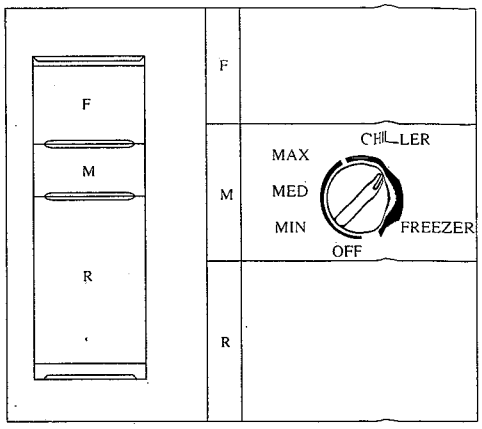
If the freezer temperature control knob is turned to "OFF" all the compartments of the unit are disabled.
WARNING: the unit will still be connected to the mains.



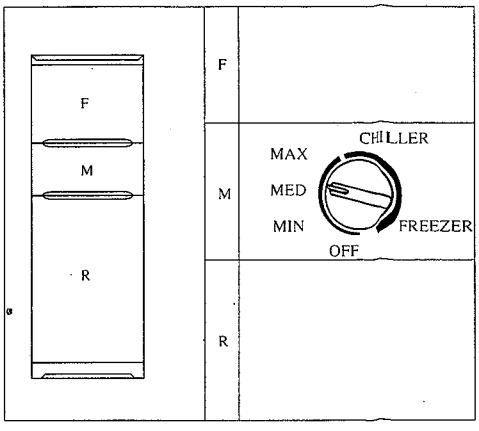
If the freezer temperature knob is turned to "SUPER" the compressor will continue to work; this is essential in order to freezer foodstuffs.



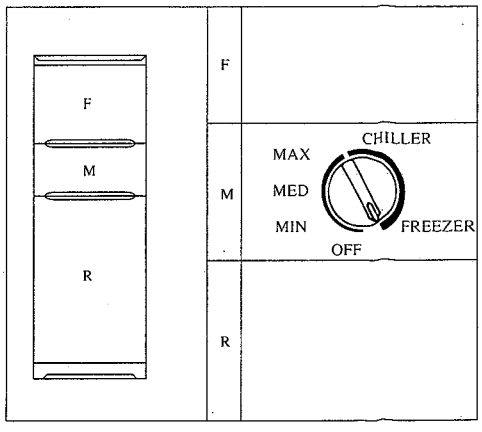
Turning the temperature control of the multi-function compartment to "CHILLER" will make that compartment a chiller at 0°C, ideal for storing delicate or short life foods.



Turning the temperature control of the multi-function compartment to "REFRIGERATOR" will make that compartment a fridge. The temperature can be regulated turning the knob between the positions "MIN", "MED" and "MAX" as though it were a conventional fridge.

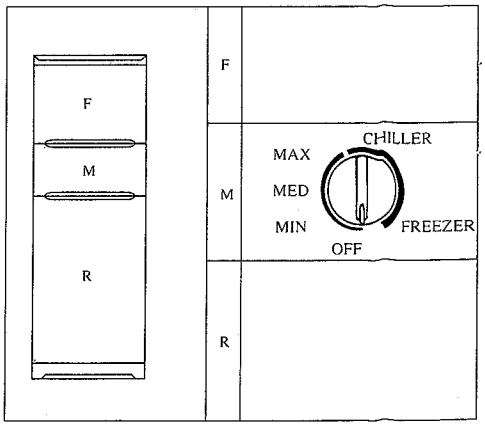


Turning the temperature control knob of the multi-function compartment to the position "FREEZER", the compartment will become a two star freezer.



Turning the temperature control knob of the multi-function compartment to "OFF" will turn off that compartment. The multi-function compartment will stop working, this does not affect the other compartments which will continue to work as usual.

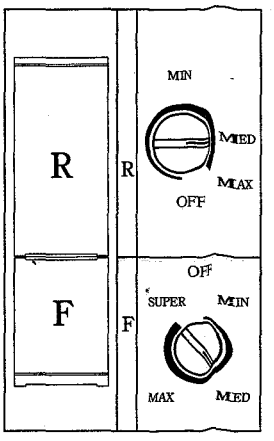
Note:
F = freezer
M = Multi-function
R = refrigerator



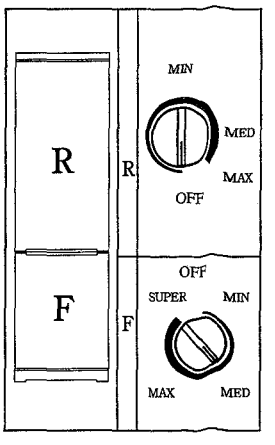
3. GR-3823CRI / GR-3722CSI

This cold air ventilated NO FROST refrigerator has regulation wich is separately controlled for each of the compartments without effecting the temperature in the others.

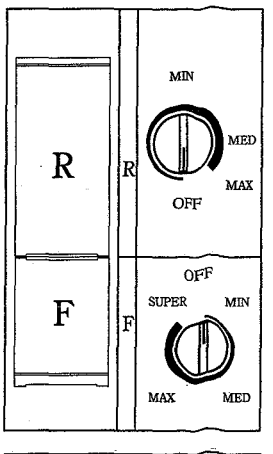
In normal use, it is recommended that the knob be set at "MED".
To abtain colder temperatures turn the knob towards "MAX", warner towards "MIN".



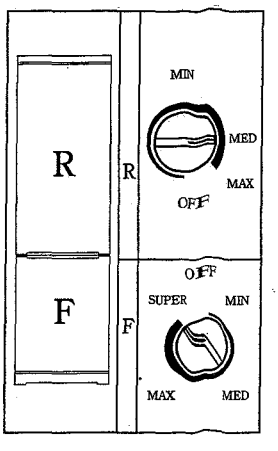
If the fridge temperature control knob is turned to "OFF", this will not affect the freezer compartment which will continue to work normally.



If the freezer temperature control knob is turned to "OFF" all the compartments of the unit are disabled.
WARNING: the unit will still be connected to the mains.



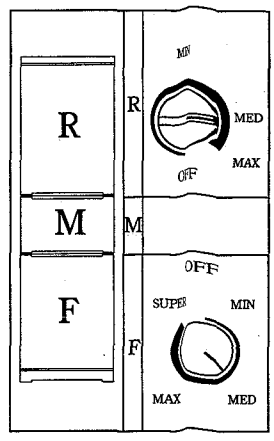
If the freezer temperature knob is turned to "SUPER" the compressor will continue to work; this is essential in order to freezer foodstuffs.



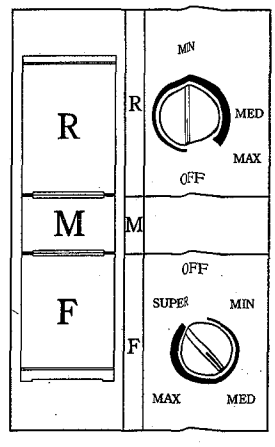
Note:
F = freezer
R = refrigerator

4. GR-3533CRI / GR-3432CSI

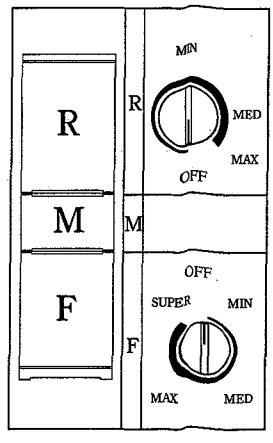
This cold air ventilated NO FROST refrigerator has regulation which is separately controlled for each of the compartments without effecting the temperature in the others.



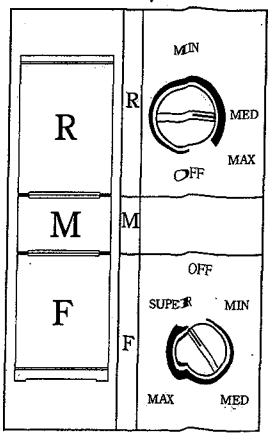
In normal use, it is recommended that the knob be set at "MED".
To obtain colder temperatures turn the knob towards "MAX", warmer towards "MIN".



If the fridge temperature control knob is turned to "OFF", this will not affect the freezer compartment which will continue to work normally.

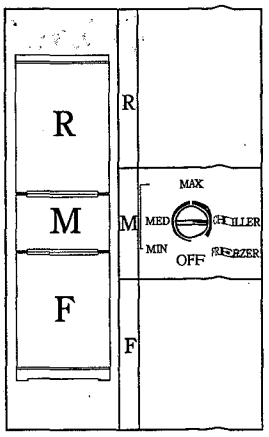


If the freezer temperature control knob is turned to "OFF" all the compartments of the unit are disabled.
WARNING: the unit will still be connected to the mains.

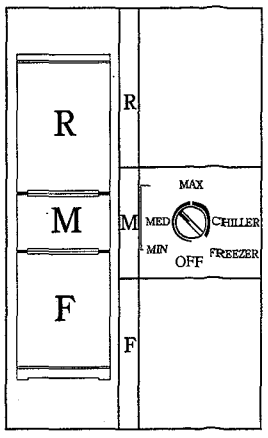


If the freezer temperature knob is turned to "SUPER" the compressor will continue to work; this is essential in order to freeze foodstuffs.

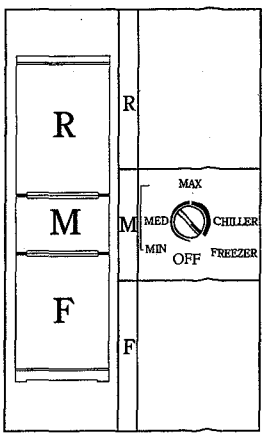
Turning the temperature control of the multi-function compartment to "CHILLER" will make compartment a chiller at 0°C, ideal for storing delicate or short life foods.



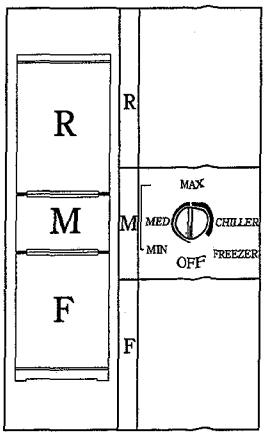
Turning the temperature control of the multi-function compartment to "REFRIGERATOR" will make that compartment a fridge. The temperature can be regulated turning the knob between the position "MIN", "MED" and "MAX" as though it were a conventional fridge.



Turning the temperature control knob of the multi-function compartment to position "FREEZER", the compartment will become a two star freezer.

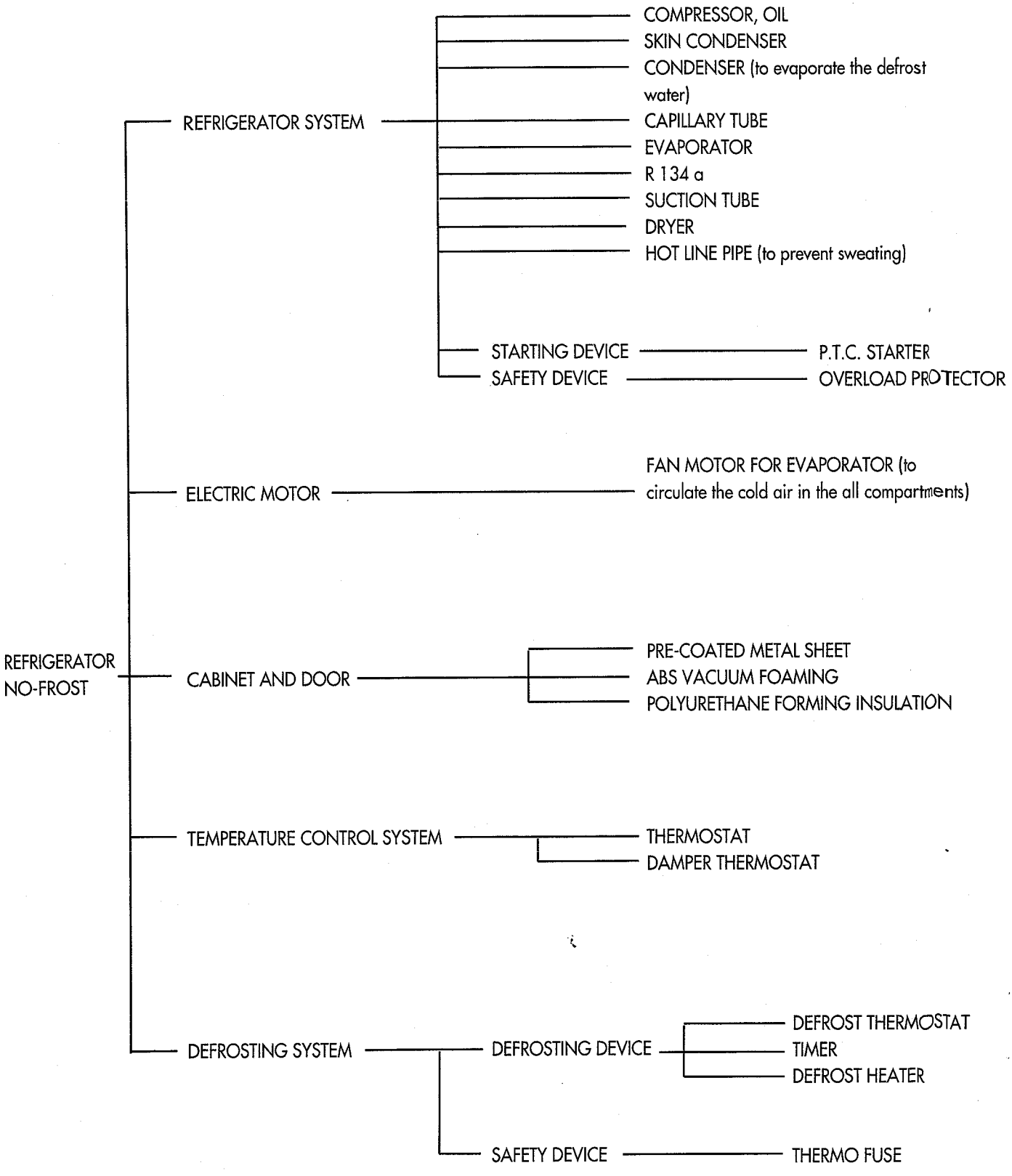


Turning the temperature control knob of the multi-function compartment to "OFF" will turn off that compartment. The multi-function compartment will stop working, this does not affect the other compartments which will continue to work as usual.

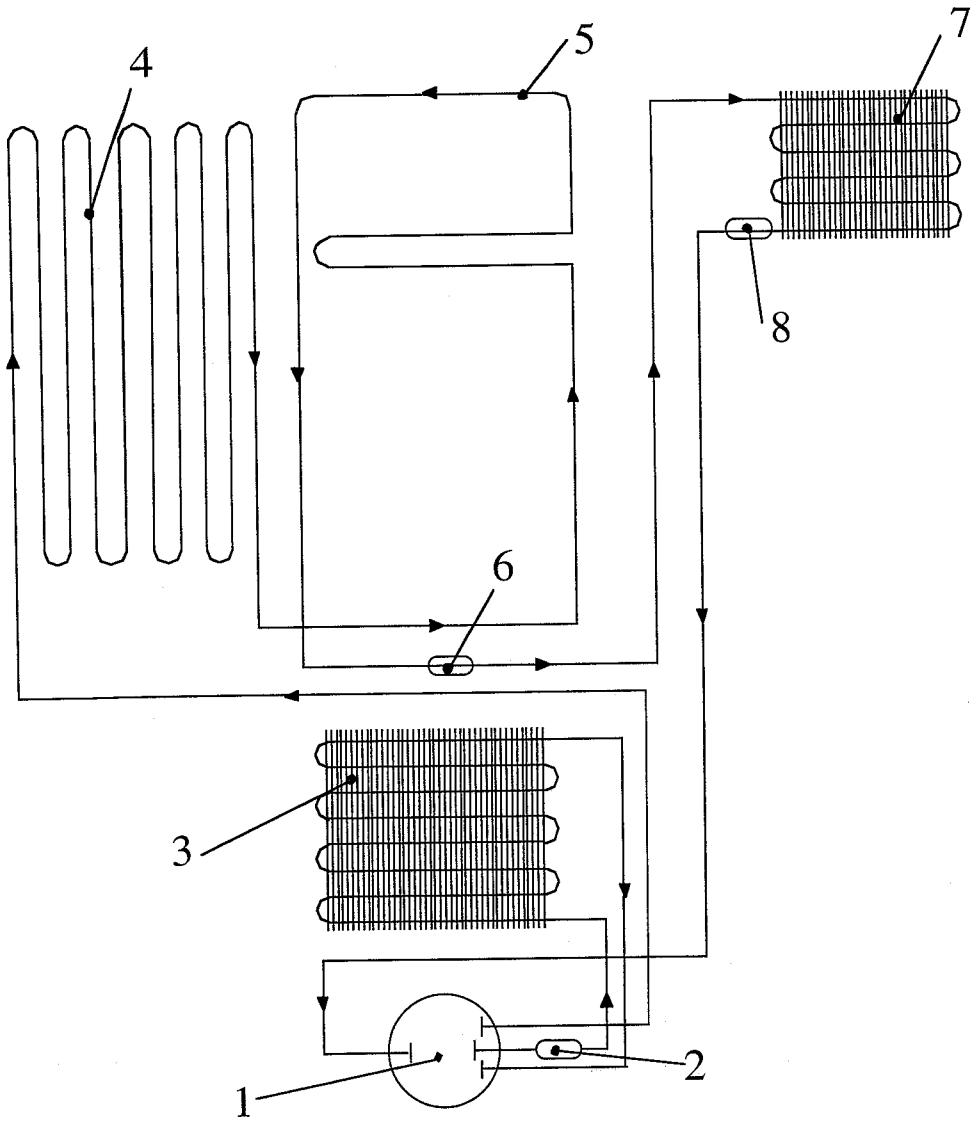


Note:
F = Freezer
M = Multifunction
R = Refrigerator

COMPOSITION OF ELECTRIC REFRIGERATOR



CIRCUIT OF CYCLE



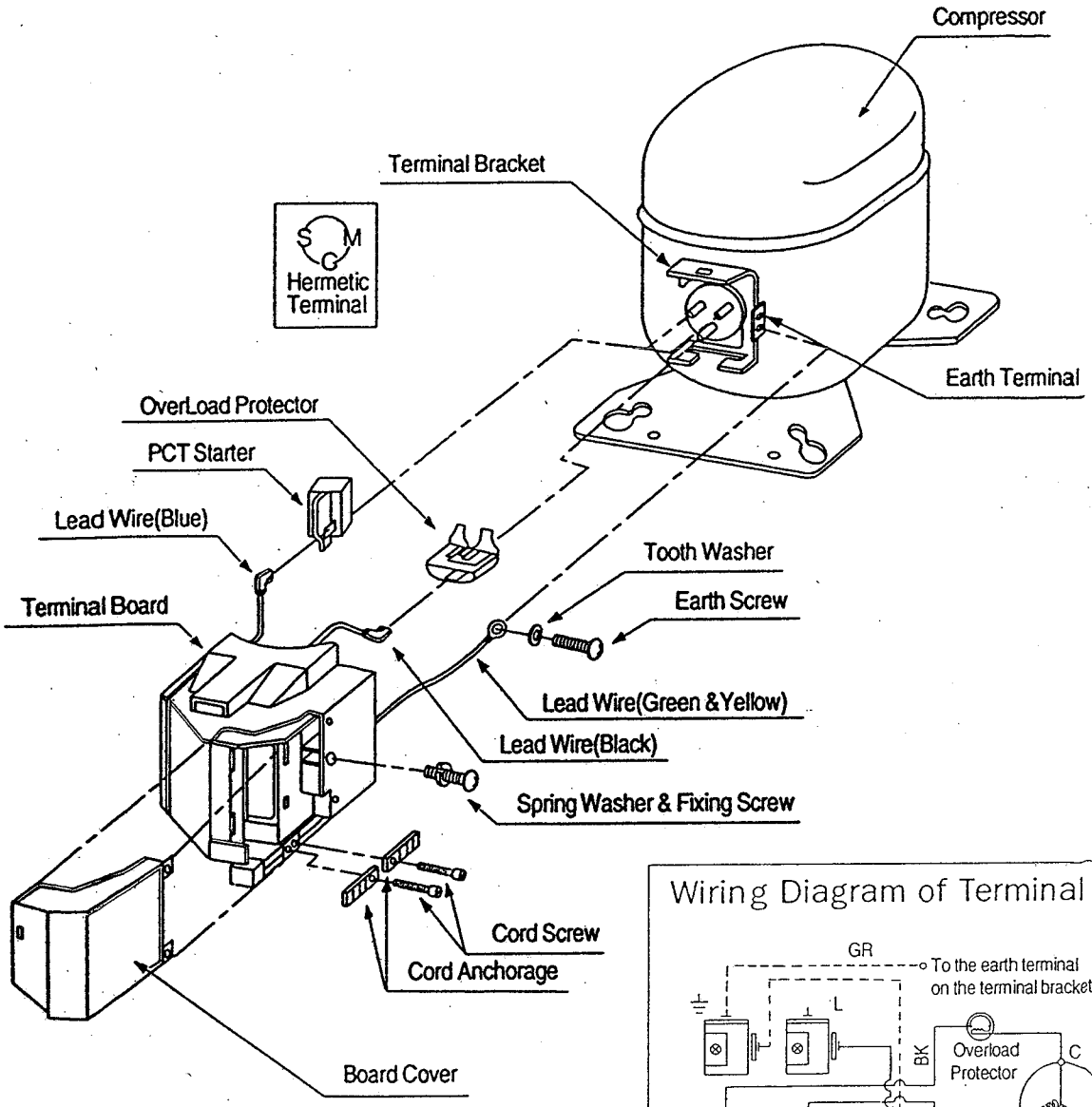
1) COMPRESSOR
2) SILENCER
3) DRAIN CONDENSER
4) SKIN CONDENSER
5) HOT LINE PIPE
6) DRYER
7) EVAPORATOR
8) ACCUMULATOR

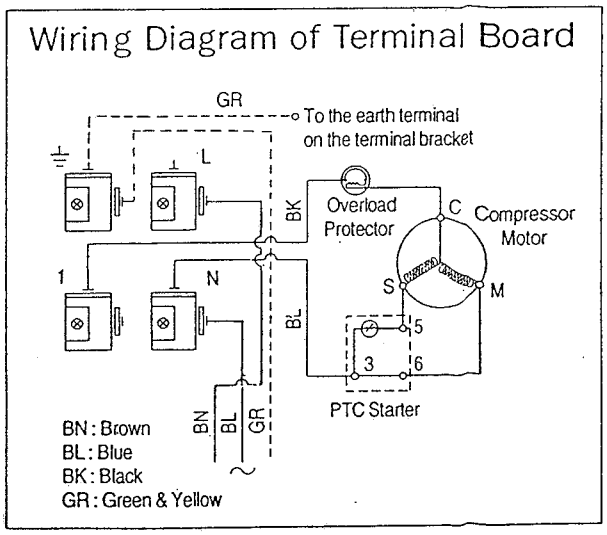
This refrigerator has been made without halocarbon with fluoro and chloro (chlorofluorocarbon CFC, HCFC), in order to protect the environment and to be in compliance with the law.

DEFROST SYSTEM

Automatic defrost with resistances controlled by a timer with cycles approximately every 8 hours. The fan and compressor start functioning approximately 7 minutes after the defrosting cycle has finished.
Defrost water automatically evaporates from the water tray located on the condenser in the baseboard of the refrigerator.

COMPRESSOR





A) Install the overload protector on the compressor terminal "C".
Install the PTC Starter on the compressor terminal "S" and "M".

B) Connect the blue lead wire of the terminal board assembly to the tab terminal of the PTC Starter.
Connect the black lead wire of the terminal board assembly to the tab terminal of the overload protector.

C) Fix the Yellow-Green lead wire of the terminal board assembly to the earth terminal on the terminal bracket with the fixing screw and the spring washer.

D) Fit the terminal board into the terminal bracket, and Fix the terminal board in the terminal bracket with the fixir

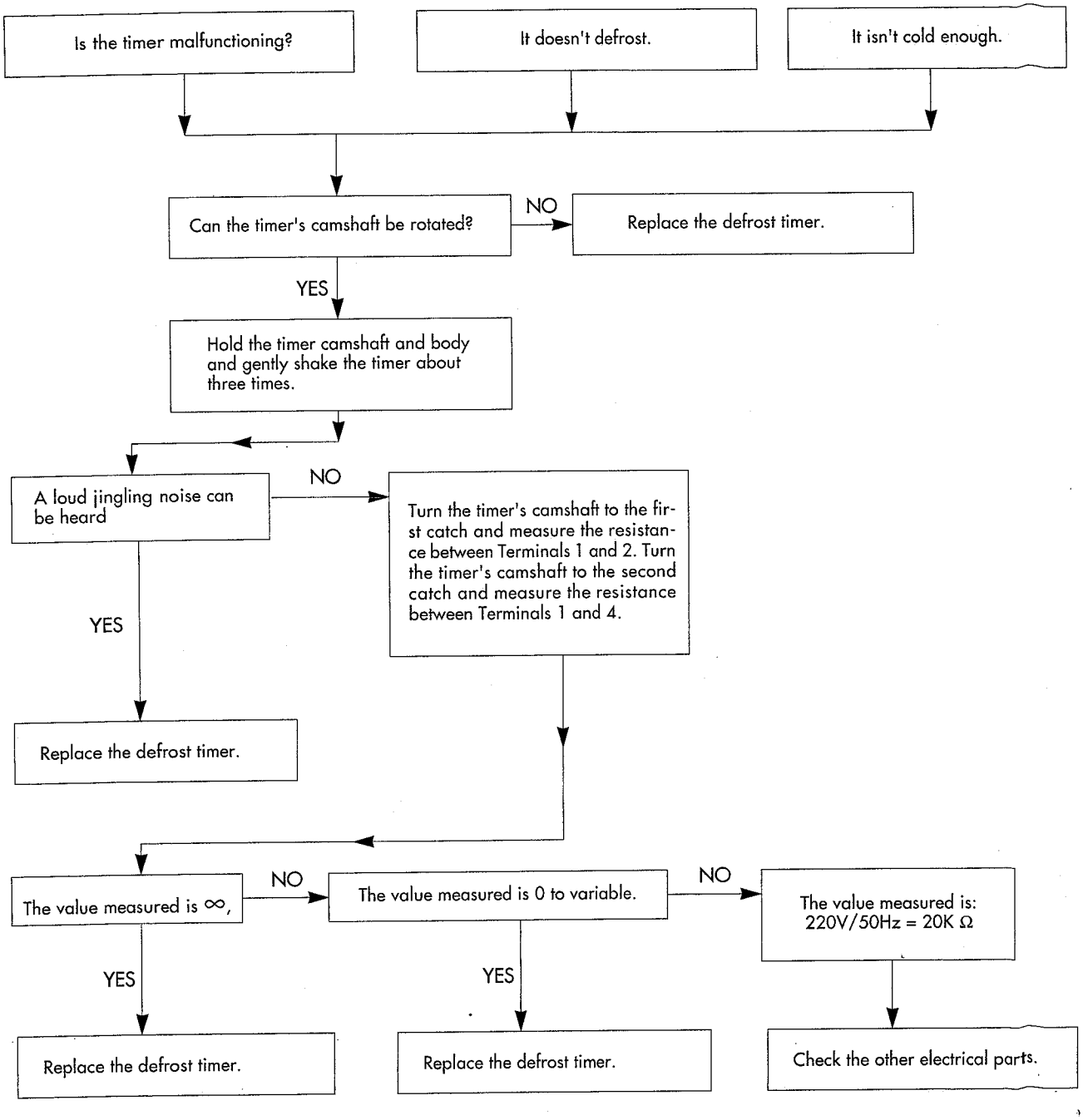
E) Connect the power supply cord, the lead wires of the control parts (thermostat etc.) and an earthing lead wire to the tabs on the terminal board.

F) Fix the above-mentioned cord and wires under the cord anchorage with the cord screws.

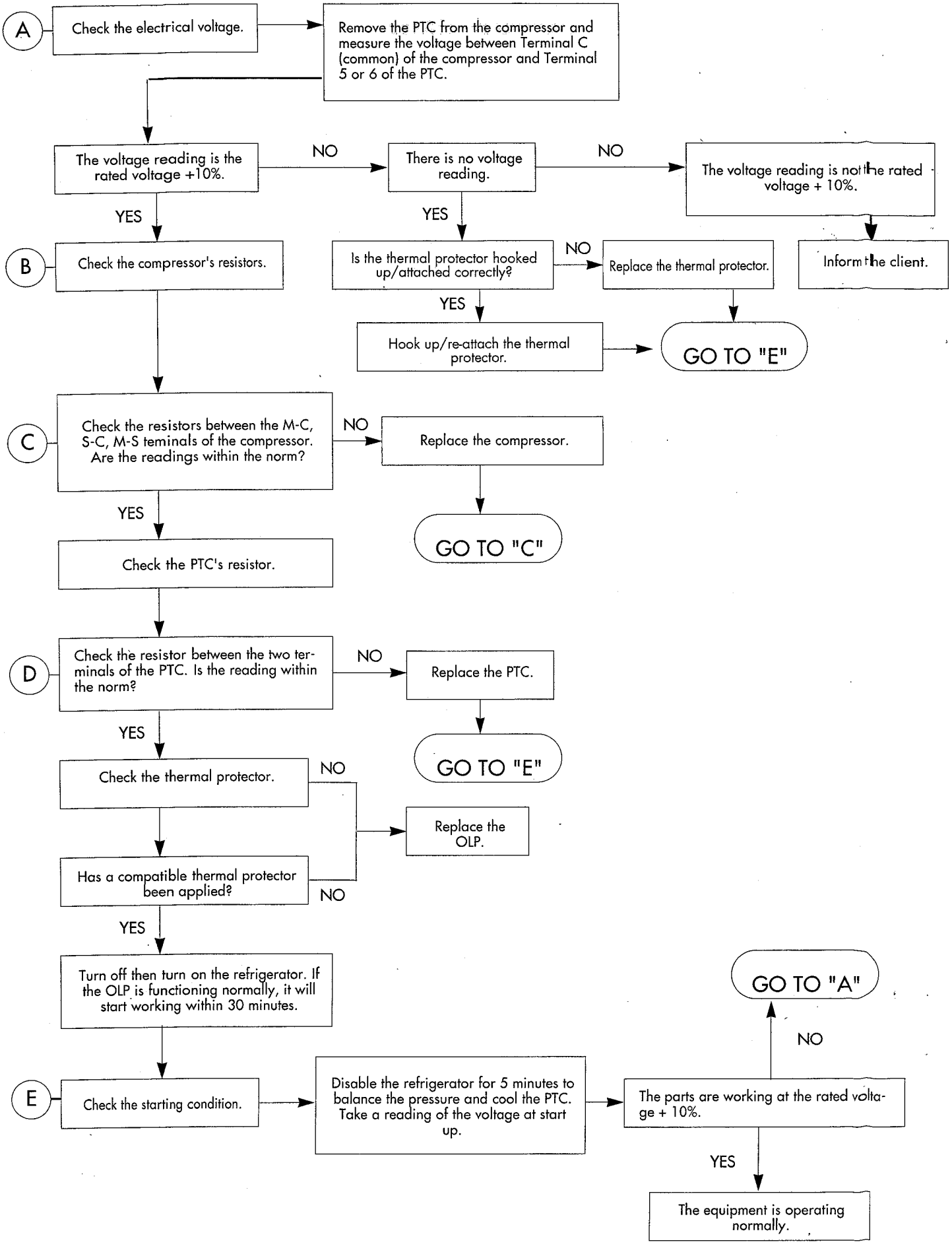
G) Fix the board cover on the terminal board.

TROUBLESHOOTING CHART

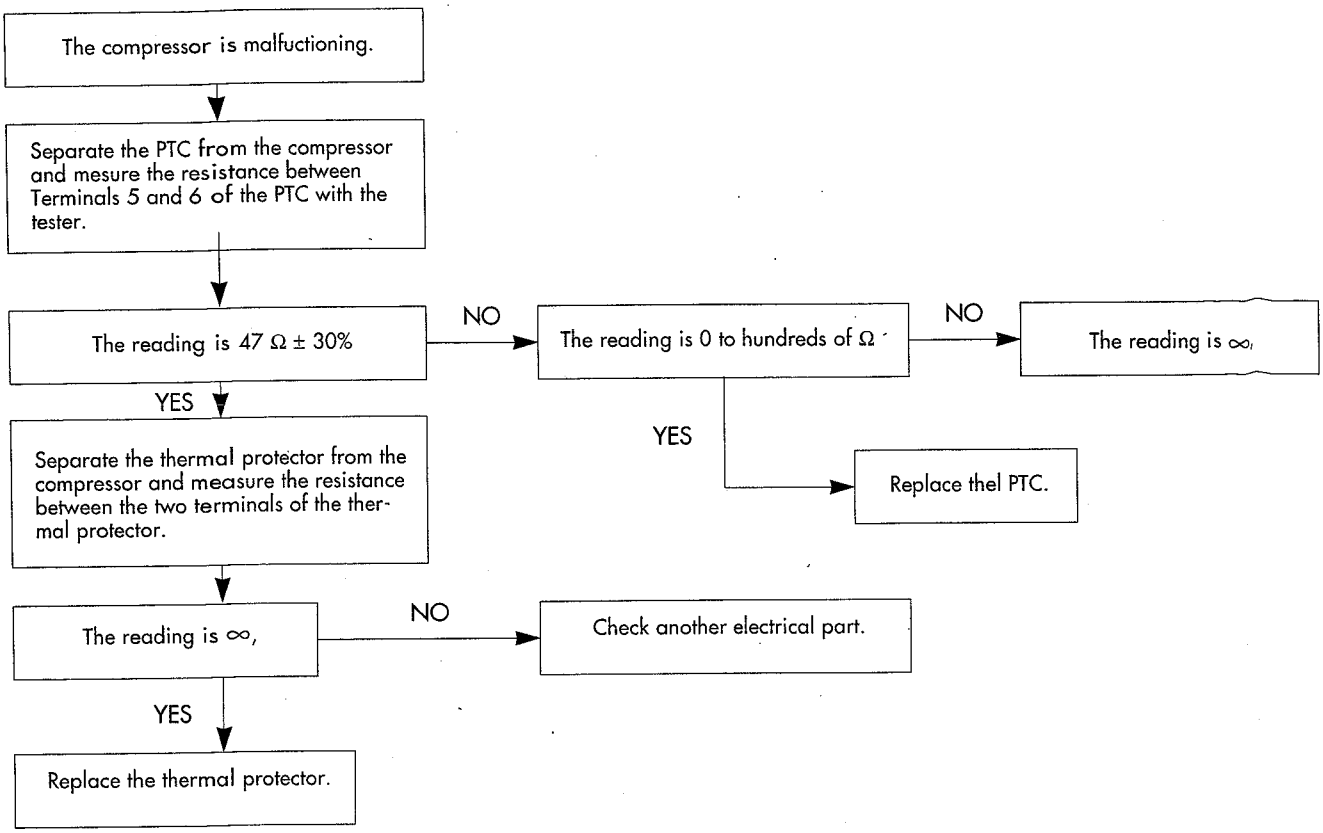
DEFROST TIMER


Is the timer malfunctioning?
It doesn't defrost.
It isn't cold enough.
Can the timer's camshaft be rotated?
NO
Replace the defrost timer.
YES
Hold the timer camshaft and body and gently shake the timer about three times.
A loud jingling noise can be heard
NO
Turn the timer's camshaft to the first catch and measure the resistance between Terminals 1 and 2. Turn the timer's camshaft to the second catch and measure the resistance between Terminals 1 and 4.
YES
Replace the defrost timer.
The value measured is ∞,
NO
The value measured is 0 to variable.
NO
The value measured is: 220V/50Hz = 20K Ω
YES
YES
Replace the defrost timer.
Replace the defrost timer.
Check the other electrical parts.

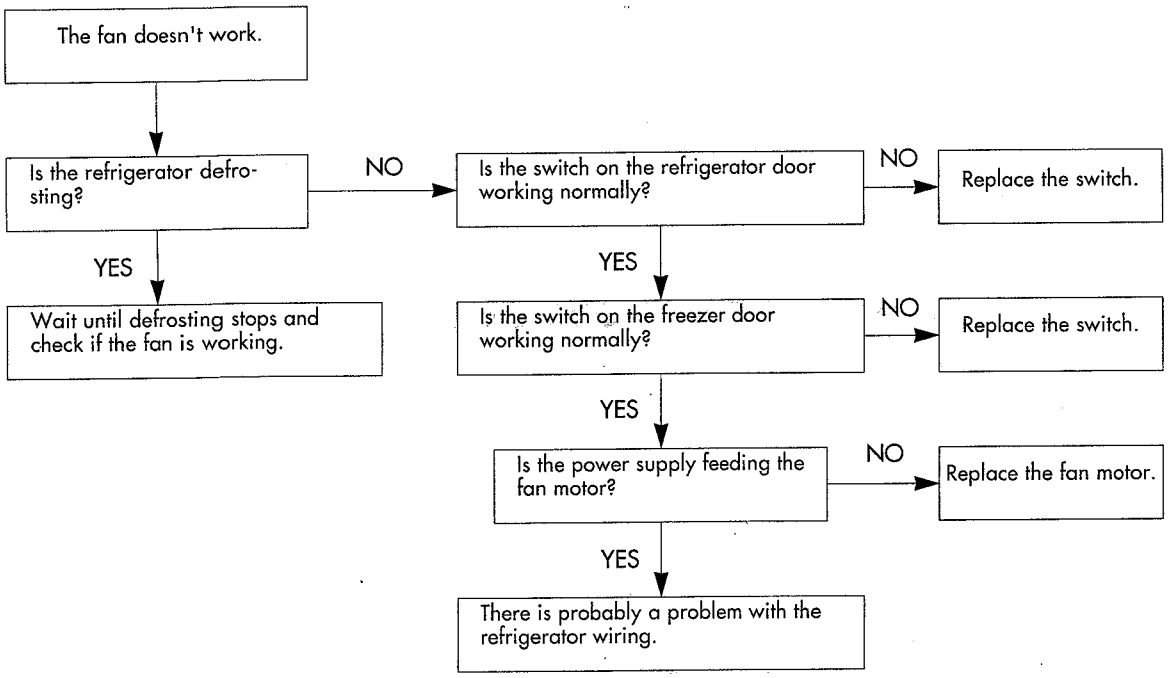
ELECTRICAL POWER SUPLY


A
Check the electrical voltage.
Remove the PTC from the compressor and measure the voltage between Terminal C (common) of the compressor and Terminal 5 or 6 of the PTC.
The voltage reading is the rated voltage +10%.
NO
There is no voltage reading.
NO
The voltage reading is not the rated voltage + 10%.
YES
YES
B
Check the compressor's resistors.
Is the thermal protector hooked up/attached correctly?
NO
Replace the thermal protector.
Inform the client.
YES
Hook up/re-attach the thermal protector.
GO TO "E"
C
Check the resistors between the M-C, S-C, M-S teminals of the compressor. Are the readings within the norm?
NO
Replace the compressor.
GO TO "C"
YES
Check the PTC's resistor.
D
Check the resistor between the two terminals of the PTC. Is the reading within the norm?
NO
Replace the PTC.
GO TO "E"
YES
Check the thermal protector.
NO
Replace the OLP.
Has a compatible thermal protector been applied?
NO
YES
Turn off then turn on the refrigerator. If the OLP is functioning normally, it will start working within 30 minutes.
GO TO "A"
NO
E
Check the starting condition.
Disable the refrigerator for 5 minutes to balance the pressure and cool the PTC. Take a reading of the voltage at start up.
The parts are working at the rated voltage + 10%.
YES
The equipment is operating normally.

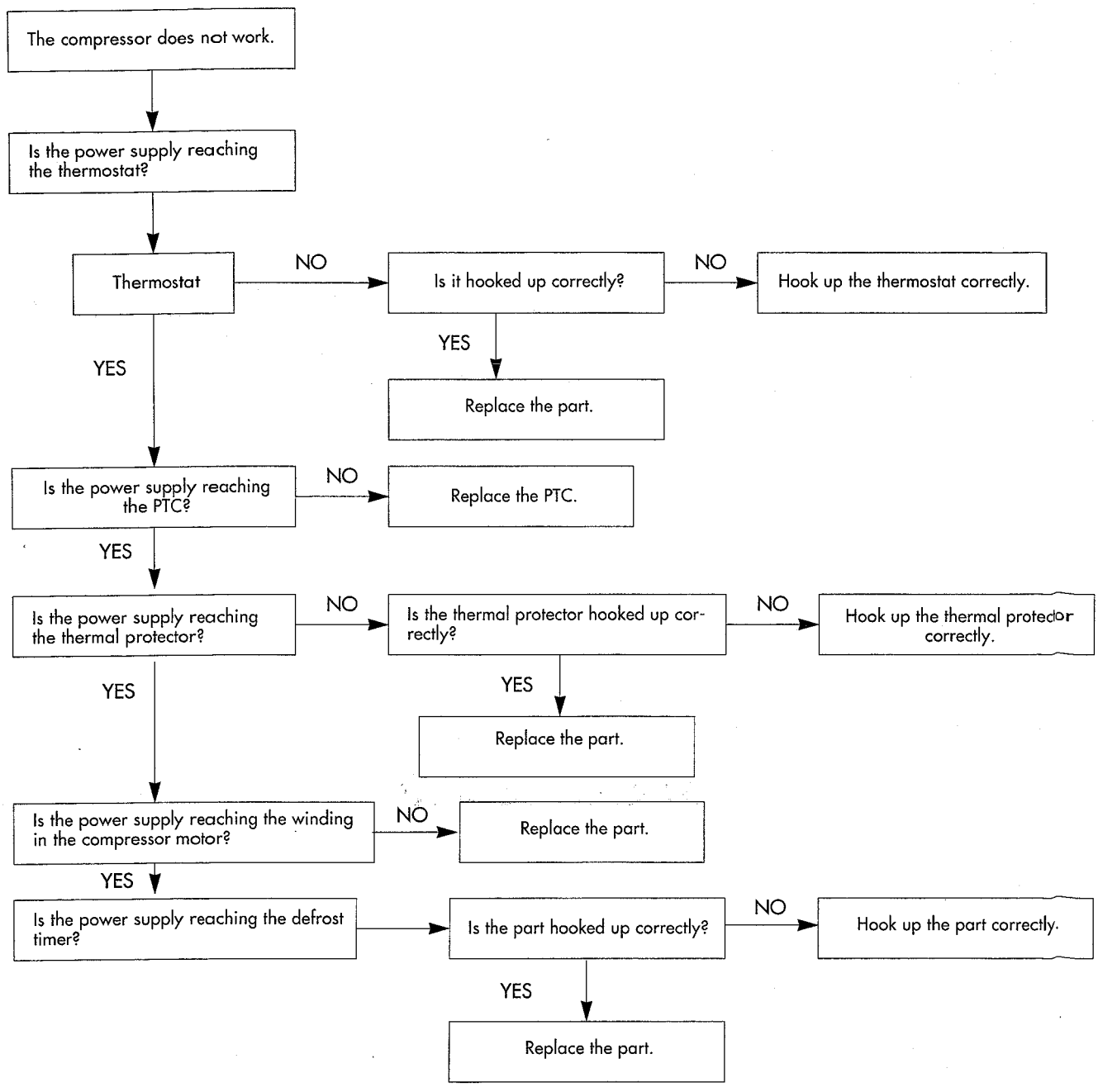
PTC & OLP


The compressor is malfuctioning.
Separate the PTC from the compressor and mesure the resistance between Terminals 5 and 6 of the PTC with the tester.
The reading is 47 Ω ± 30%
NO
The reading is 0 to hundreds of Ω
NO
The reading is ∞,
YES
YES
Replace thel PTC.
Separate the thermal protector from the compressor and measure the resistance between the two terminals of the thermal protector.
The reading is ∞,
NO
Check another electrical part.
YES
Replace the thermal protector.

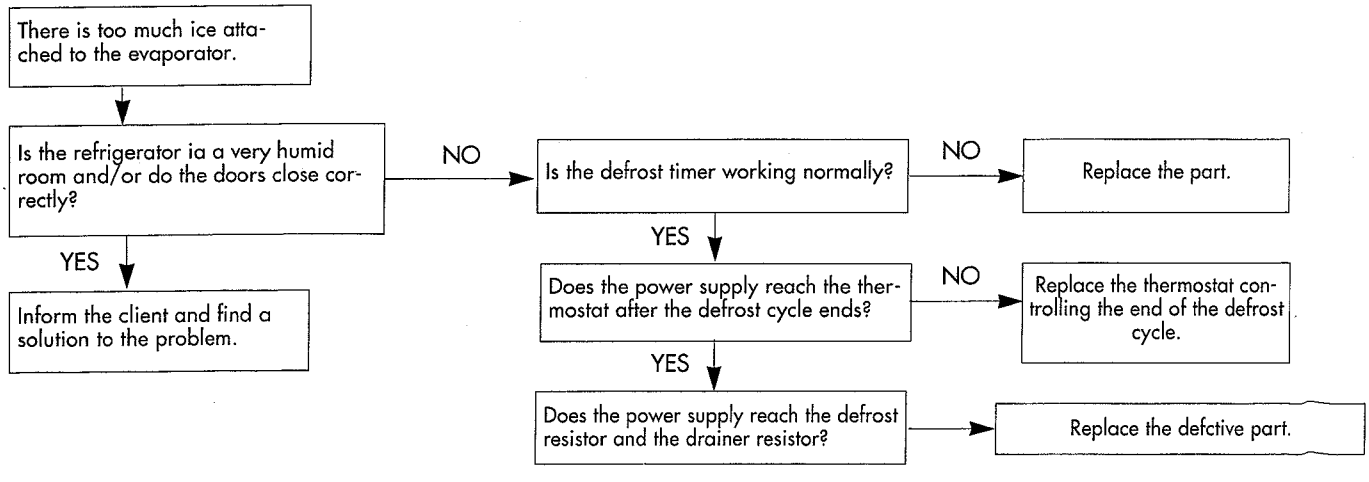
INSUFFICIENT COOLING


The fan doesn't work.
Is the refrigerator defrosting?
NO
Is the switch on the refrigerator door working normally?
NO
Replace the switch.
YES
YES
Wait until defrosting stops and check if the fan is working.
Is the switch on the freezer door working normally?
NO
Replace the switch.
YES
Is the power supply feeding the fan motor?
NO
Replace the fan motor.
YES
There is probably a problem with the refrigerator wiring.

THE REFRIGERATOR DOES NOT COOL



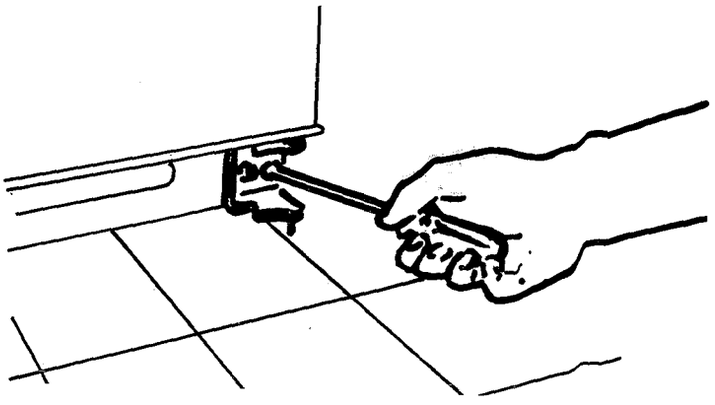
INSUFFICIENT COOLING

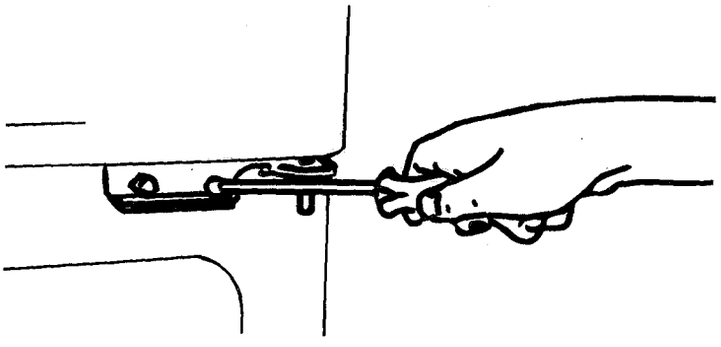

There is too much ice attached to the evaporator.
Is the refrigerator ia a very humid room and/or do the doors close correctly?
NO
Is the defrost timer working normally?
NO
Replace the part.
YES
YES
Inform the client and find a solution to the problem.
Does the power supply reach the thermostat after the defrost cycle ends?
NO
Replace the thermostat controlling the end of the defrost cycle.
YES
Does the power supply reach the defrost resistor and the drainer resistor?
Replace the defctive part.

DISASSEMBLING PARTS

DISASSEMBLING OF DOORS

a)
- Pull out the cover lower and remove.
- Unscrew the three screws and remove the lower hinge and the spacer.
- Pull out the lower door, letting it slide downwards.

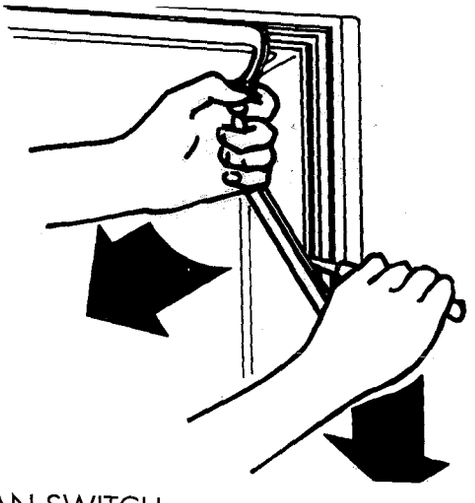




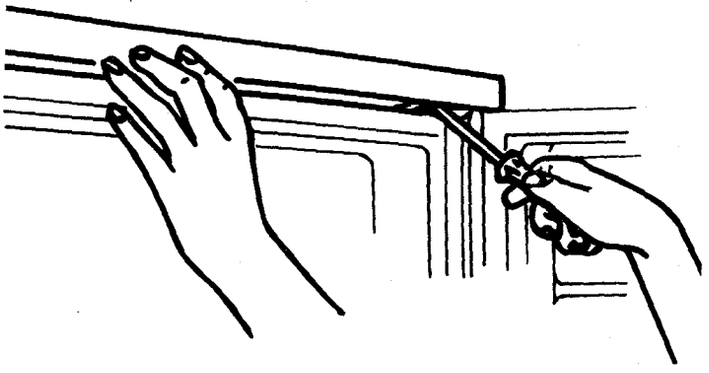
b)
- Unscrew the two screws and remove the middle hinge and the spacer.
- Pull out the door upper, letting it slide downwards.

DISASSEMBLING OF THE DOOR GASKET

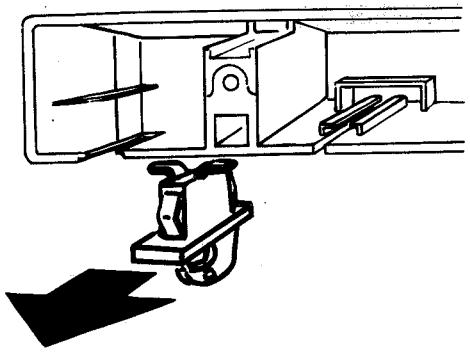
c)
- Use a knife to remove the old rubber insulation.
- Insert the new gasket in that place.



DISASSEMBLING OF THE FAN SWITCH



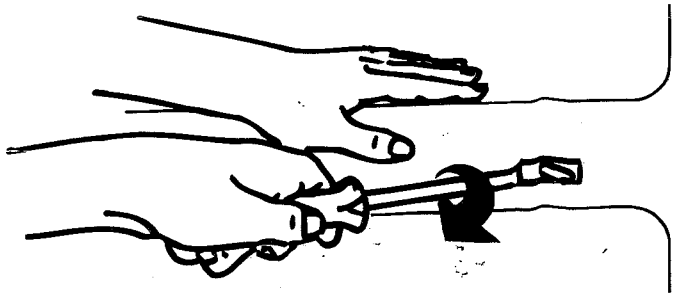
d)
- Remove the short plung/hinge on the same side as the peg.
- Remove the two plugs and unscrew the screws that hold down the top.



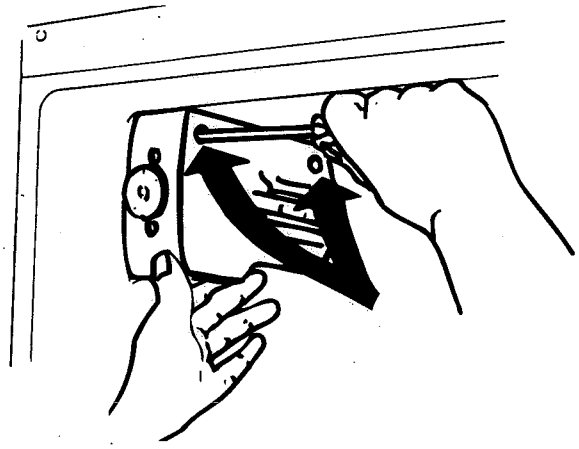
e)
- Remove the switch from the top by sliding it backwards.

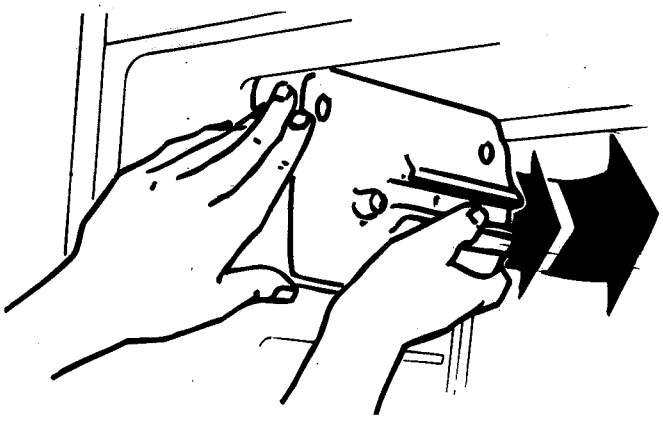
DISASSEMBLING OF THE FAN AND LAMP SWITCH

f)
- Use a screw driver or spatula to remove the plate switch.



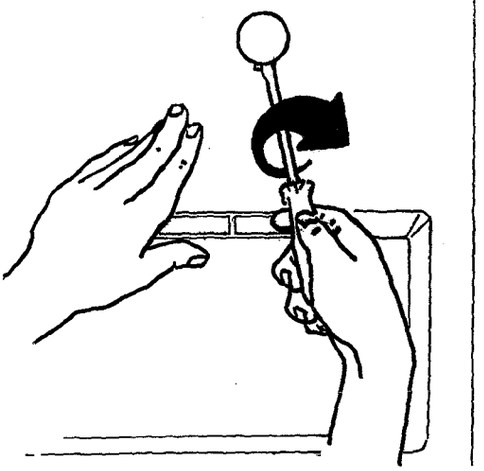
DISASSEMBLING OF THE THERMOSTAT BOX



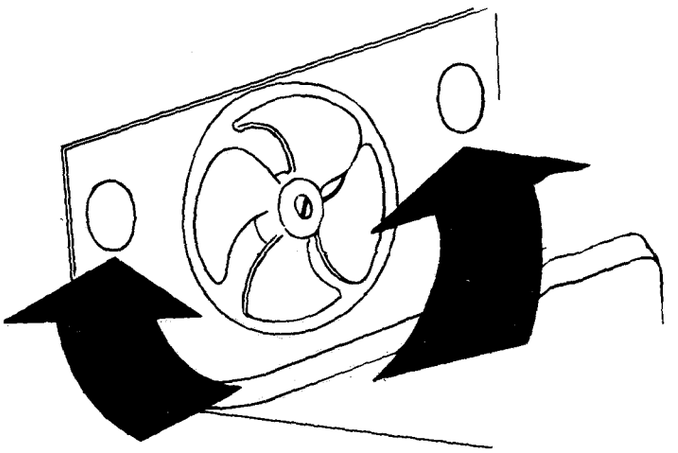


g)
- Remove the quick freezer door by slightly bending it. Remove the tray.
- Remove the self to make it easier to work.
- Unscrew the two screws that hold the thermostat box.
- Slide the thermostat box towards the back then pull it out laterally.

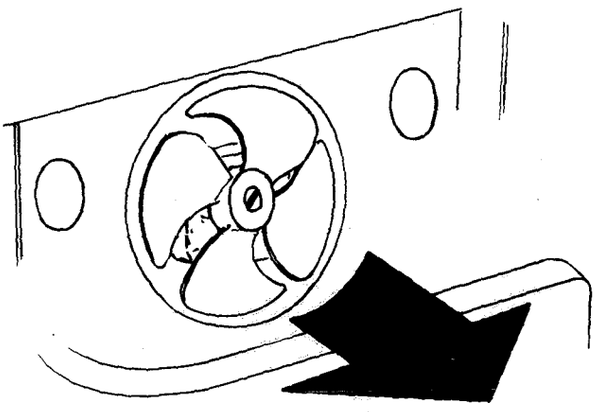
DISASSEMBLING OF THE FAN



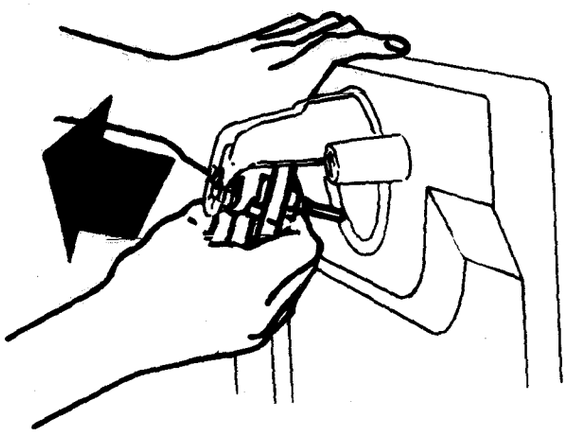
h)
- Use a screwdriver to remove the plug cover.
- Unscrew the screws.
- Remove the grille fan, pulling it forward.



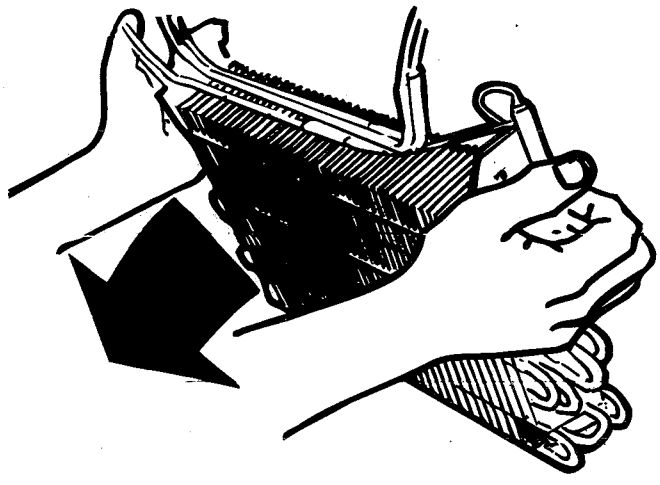
i)
- Unscrew the two screws and remove the shroud-F, pulling it forward.

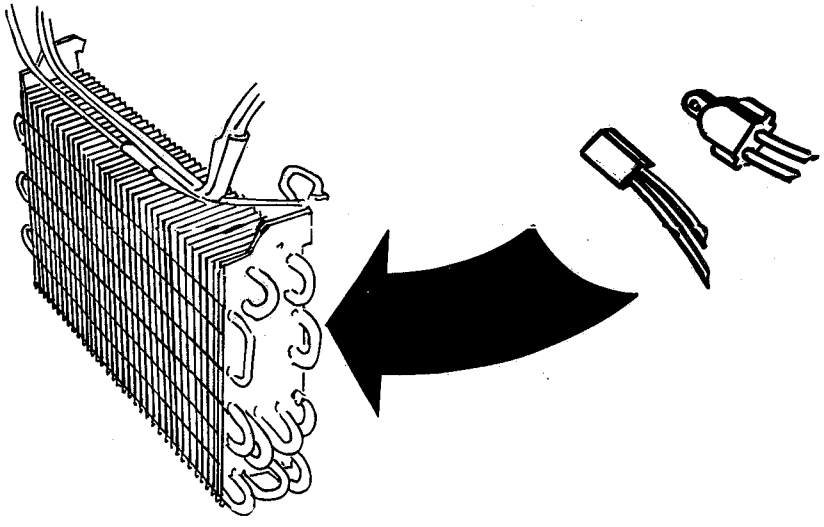


l)
- Remove the fan that is fitted inside the frame.
- Remove the fan by bending the plastic support.



DISASSEMBLING OF THE FUSE AND DEFROST THERMOSTAT

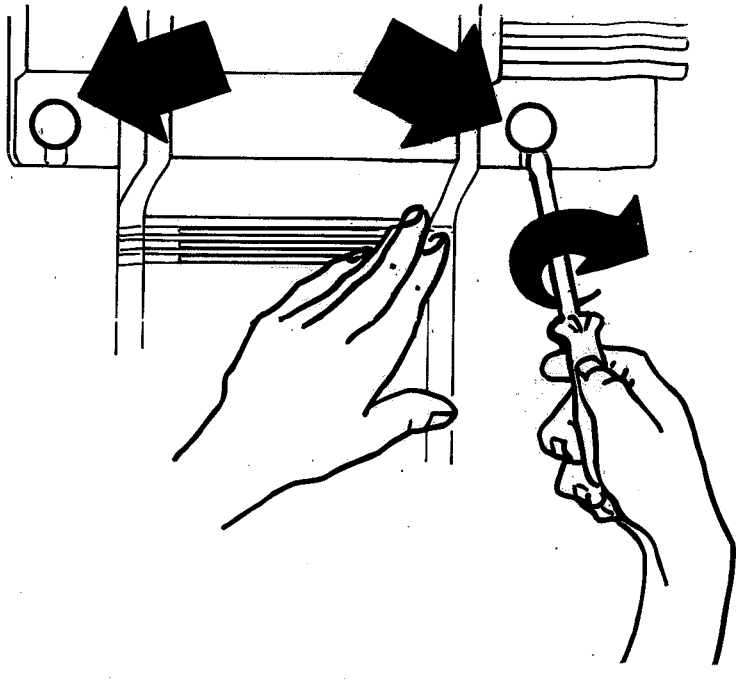


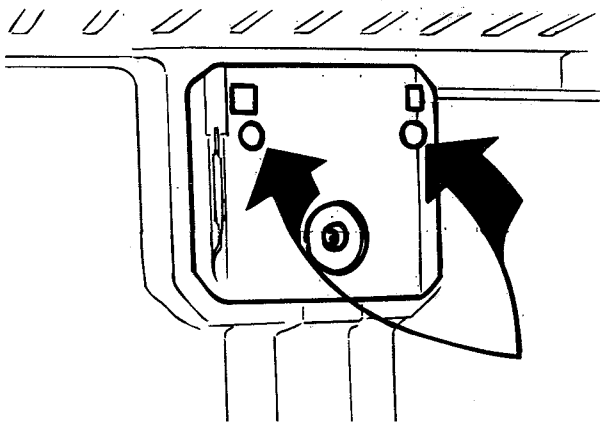


m)
- At first, do the "h - i".
- Remove the two screws that hold the evaporator.
- The fuse and two-metal thermostat are attached to the right side of the evaporator.

DISASSEMBLING OF THE DAMPER

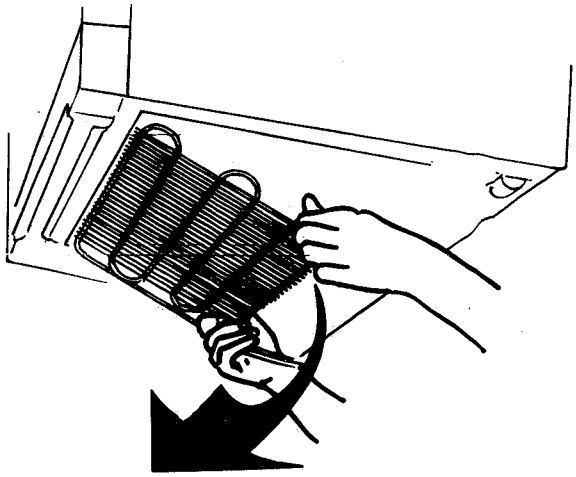
n)
- Remove the chiller door by slightly bending it. Remove the tray.
- Remove the shelves to make it easier to work.
- Remove the control knob fitted to the damper shaft.
- Use a screwdriver to remove the plugs.
- Unscrew the screws.
- Remove the control-box, pulling it forward.





o)
- Unscrew the two screws.
- Remove the damper group.

DISASSEMBLING OF THE DRAIN CONDENSER



p)
- Remove the cover back machine. (See the "q").
- Remove the tube horder which it was fixed the condenser tube an the comp base.
- Unweld the condenser tube.
- Incline the appliance on the back part.
- Remove the drain condenser from the plastic holders and pull out this from the cross rail lower.

FOR REPAIR THE NEAR COMPRESSOR

q)
- Unscrew the 5 screw and remove the cover back machine, pulling it upward.

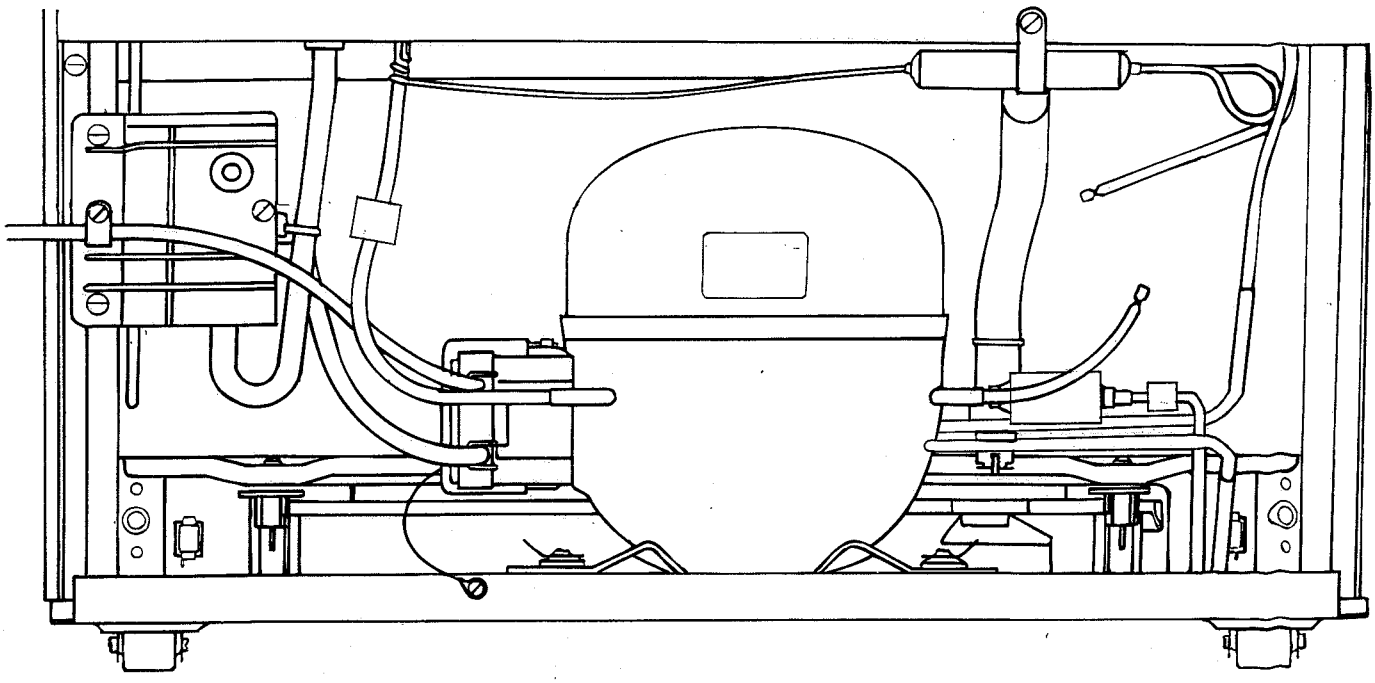
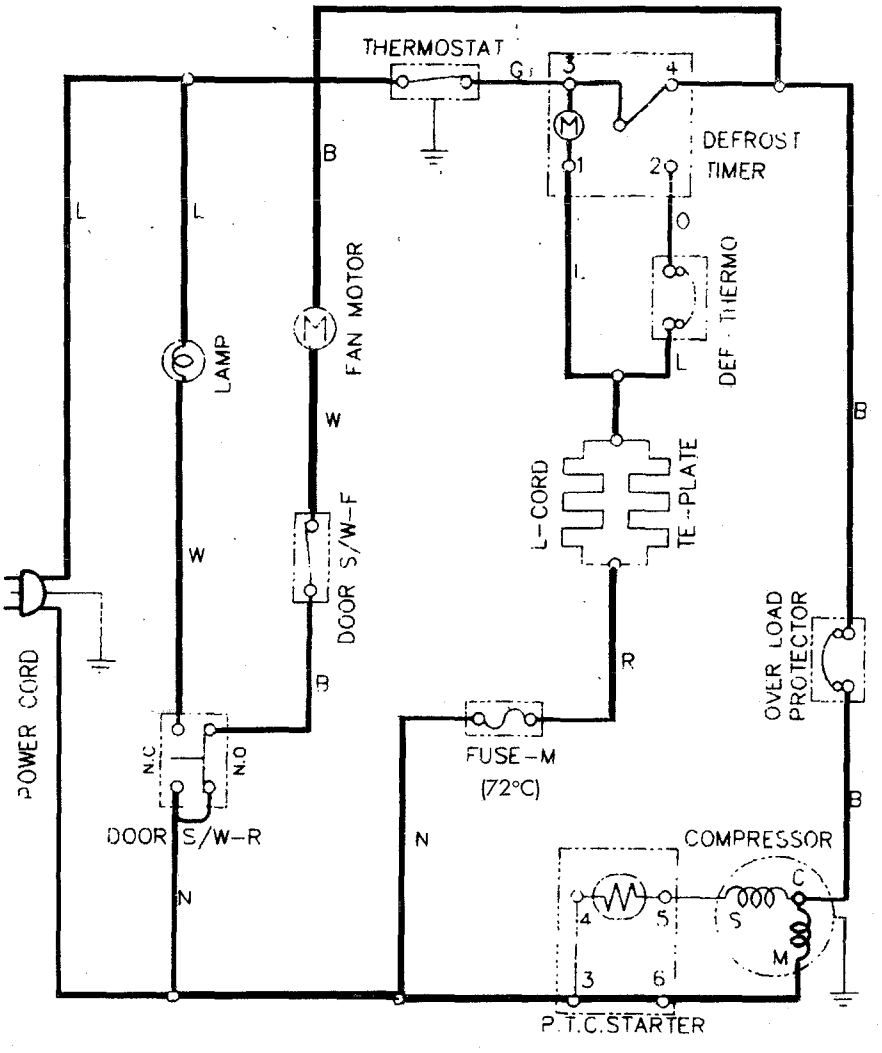


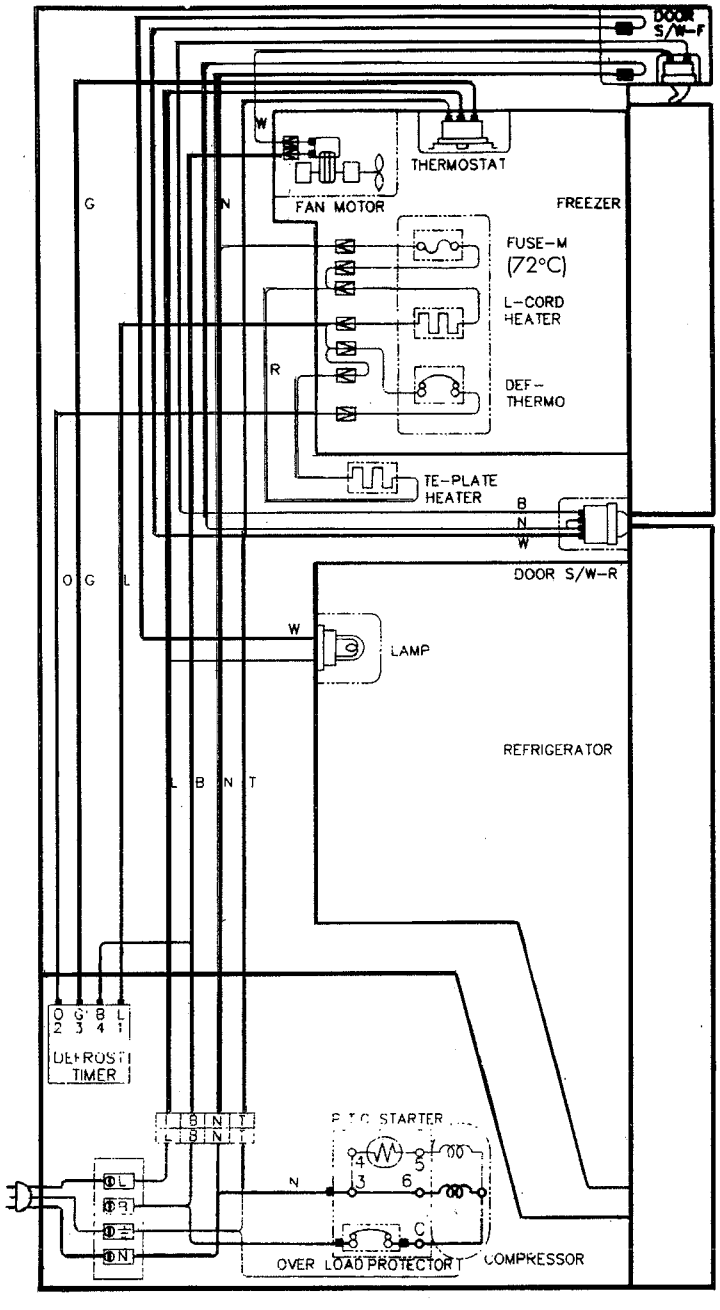
DIAGRAM CIRCUIT

1. GR-3423DRI / GR-3322DSI



POWER CORD	CAVO D'ALIMENTAZIONE
DOOR S/W-R	INTERRUTTORE PORTA FRIGORIFERO
LAMP	LAMPADA
DOOR S/W-F	INTERRUTTORE PORTA FREEZER
FAN MOTOR	VENTILATORE
THERMOSTAT	TERMOSTATO
DEFROST TIMER	TEMPORIZZATORE DI SBRINAMENTO

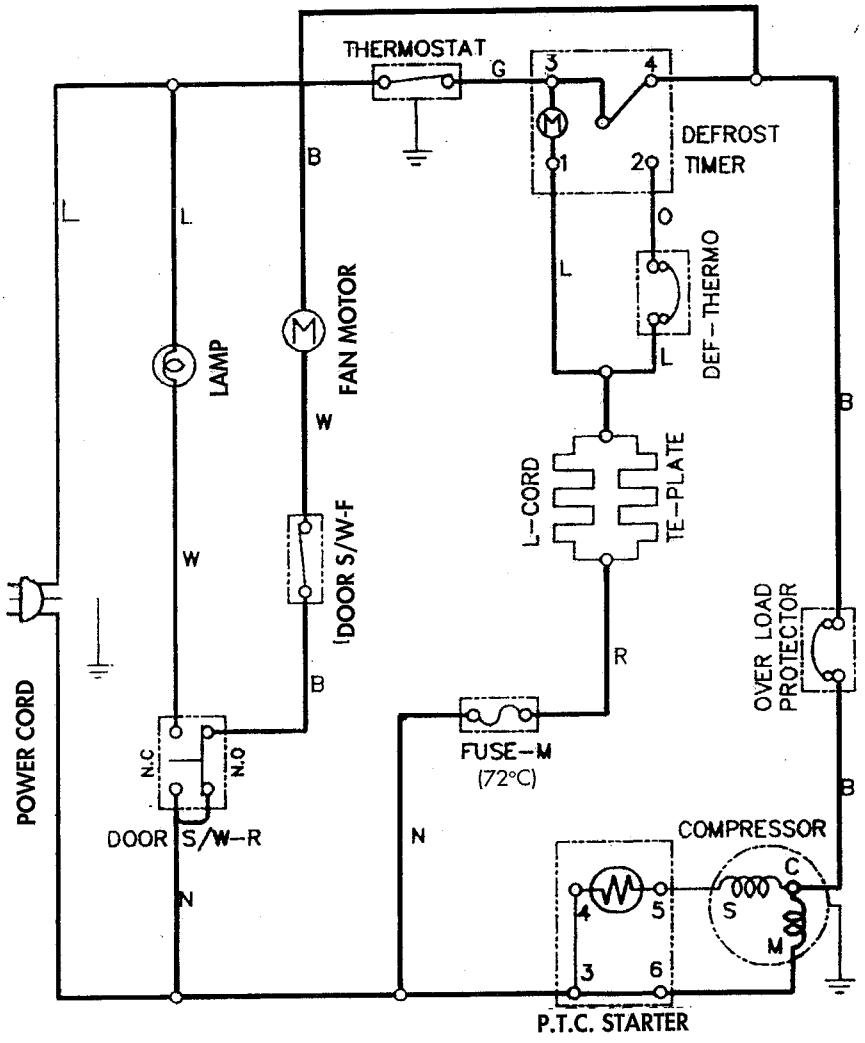
DEF-THERMO	TERMOSTATO BIMETALLO
L-CORD	RESISTENZA DI SBRINAMENTO
TE-PLATE	RESISTENZA SGOCCIOLATOIO
FUSE-M	FUSIBILE
P.T.C. STARTER	P.T.C.
OVER LOAD PROTECTOR	PROTETTORE TERMICO
COMPRESSOR	COMPRESSORE



B	BLACK/NERO
G	GRAY/GRIGIO
L	BROWN/MARRONE
N	BLUE/BLU

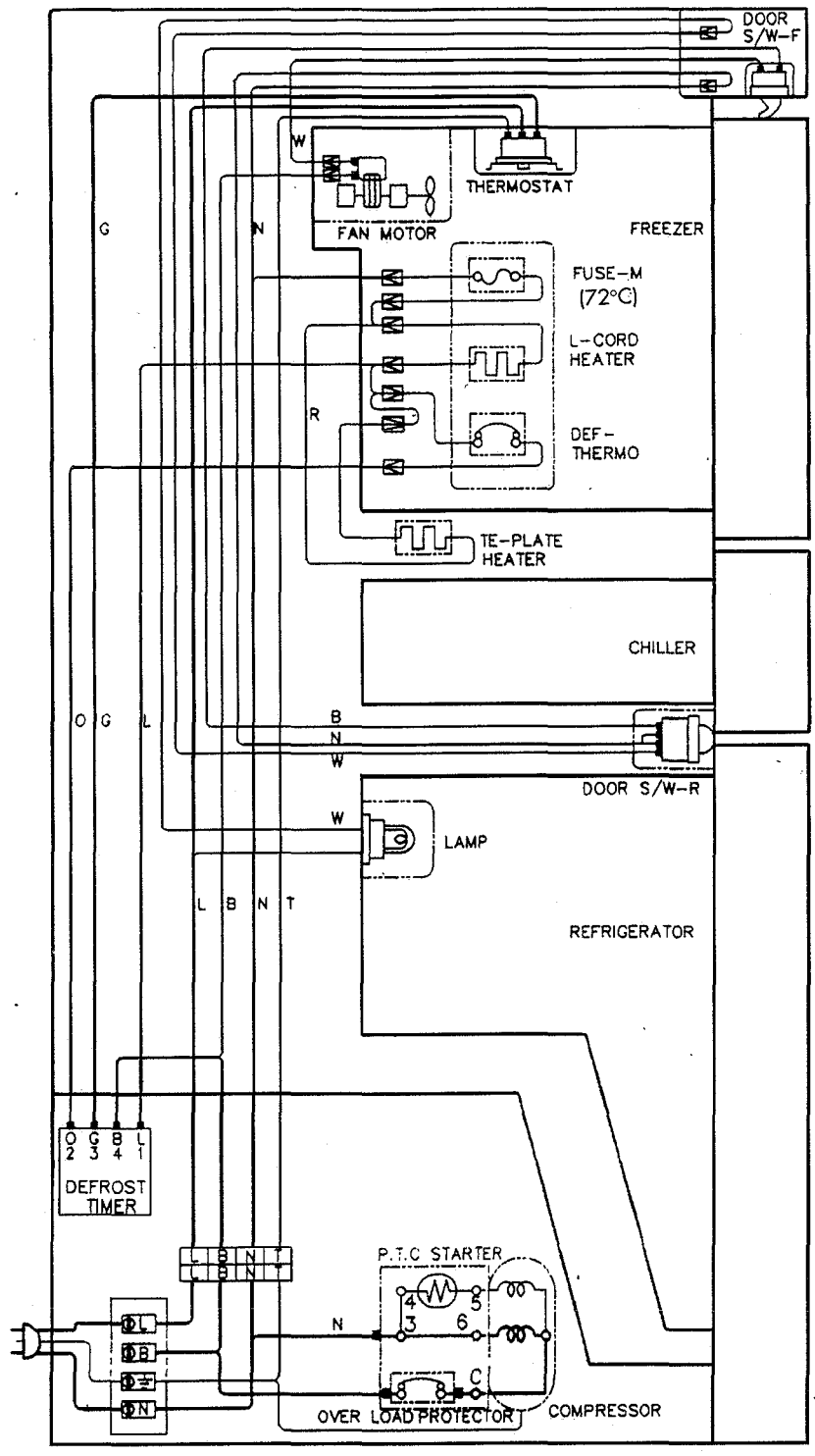
W	WHITE/BIANCO
O	ORANGE/ARANCIO
R	RED/ROSSO
T	YELLOW- GREEN/GIALLO - VERDE

2. GR-3433DRI / GR-3332DSI



POWER CORD	CAVO D'ALIMENTAZIONE
DOOR S/W-R	INTERRUTTORE PORTA FRIGORIFERO
LAMP	LAMPADA
DOOR S/W-F	INTERRUTTORE PORTA FREEZER
FAN MOTOR	VENTILATORE
THERMOSTAT	TERMOSTATO
DEFROST TIMER	TEMPORIZZATORE DI SBRINAMENTO

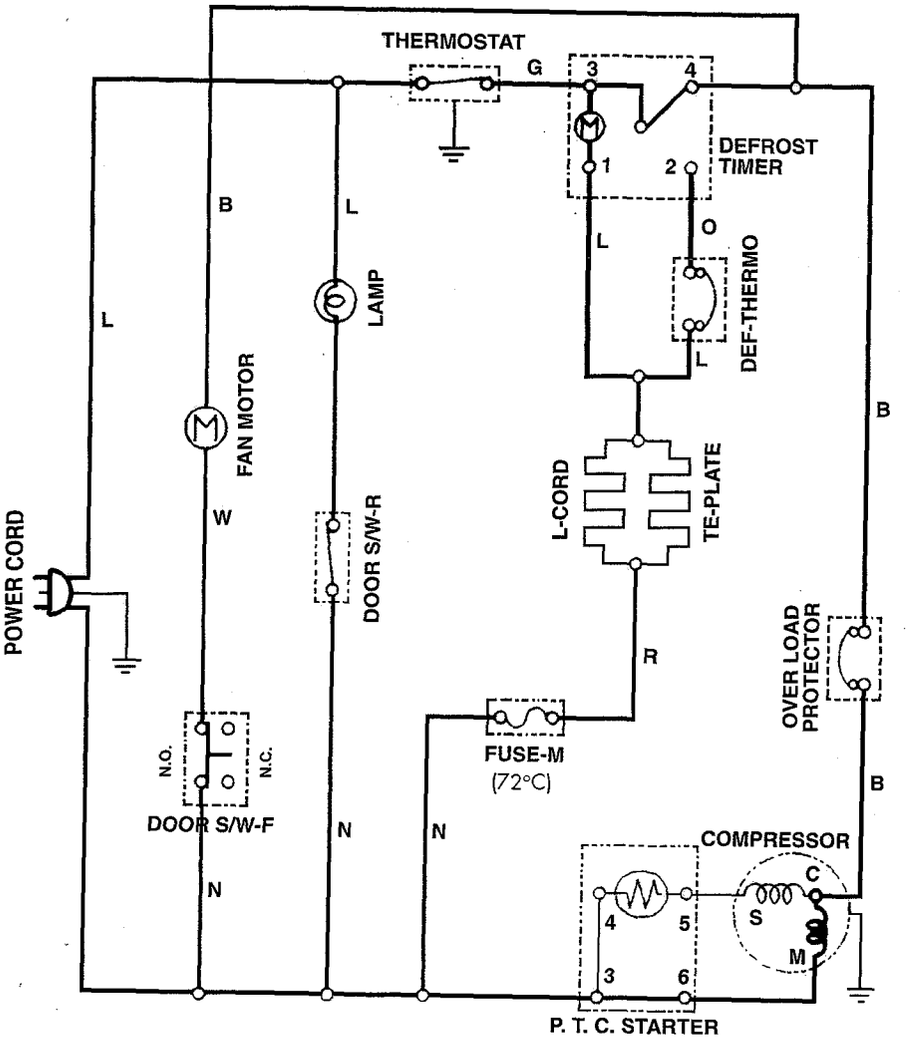
DEF-THERMO	TERMOSTATO BIMETALLO
L-CORD	RESISTENZA DI SBRINAMENTO
TE-PLATE	RESISTENZA SGOCCIOLATOIO
FUSE-M	FUSIBILE
P.T.C. STARTER	P.T.C.
OVER LOAD PROTECTOR	PROTETTORE TERMICO
COMPRESSOR	COMPRESSORE



B	BLACK/NERO
G	GRAY/GRIGIO
L	BROWN/MARRONE
N	BLUE/BLU

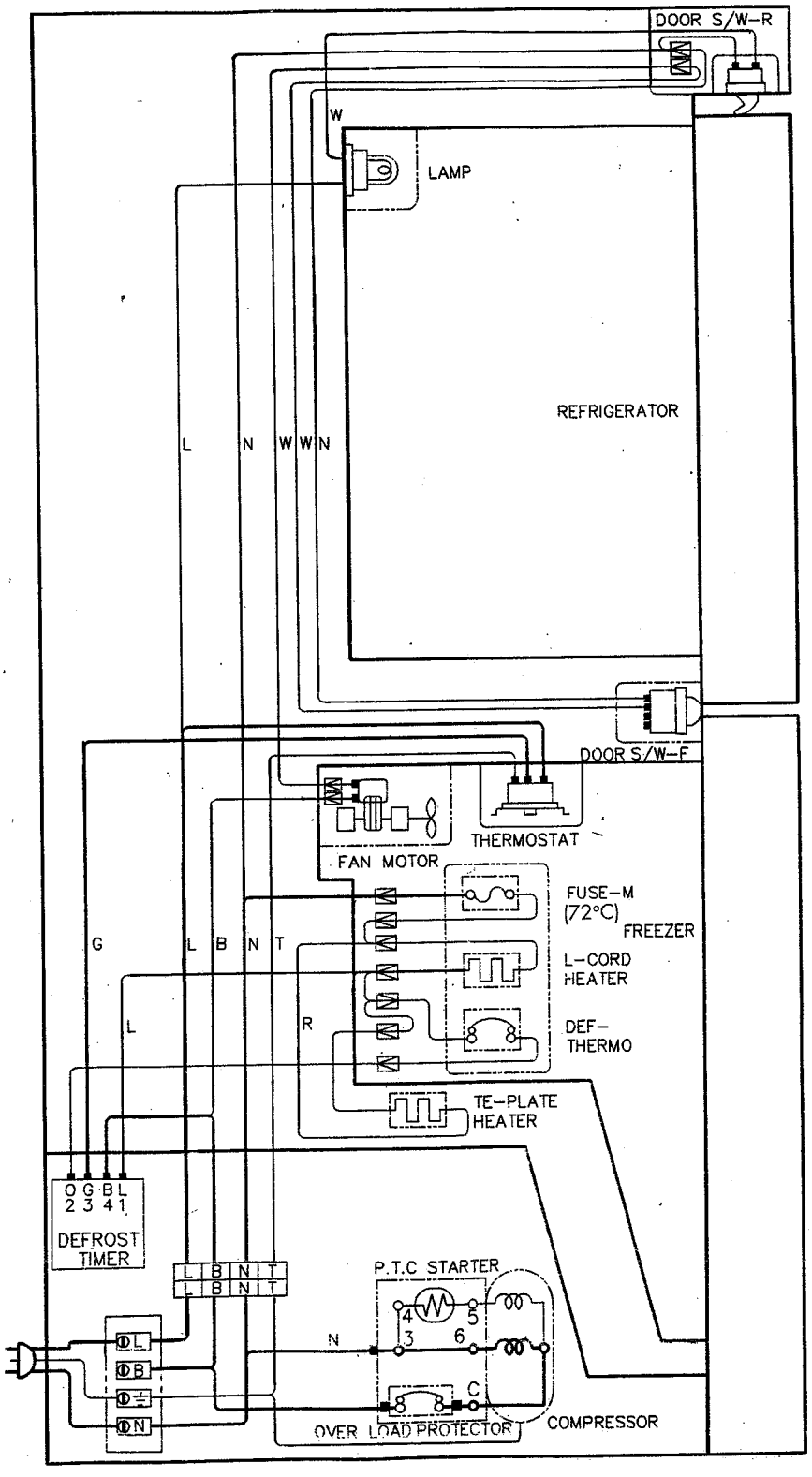
W	WHITE/BIANCO
O	ORANGE/ARANCIO
R	RED/ROSSO
T	YELLOW- GREEN/GIALLO - VERDE

3. GR-3823CRI / GR-3722CSI



POWER CORD	CAVO D'ALIMENTAZIONE
DOOR S/W-R	INTERRUTTORE PORTA FRIGORIFERO
LAMP	LAMPADA
DOOR S/W-F	INTERRUTTORE PORTA FREEZER
FAN MOTOR	VENTILATORE
THERMOSTAT	TERMOSTATO
DEFROST TIMER	TEMPORIZZATORE DI SBRINAMENTO

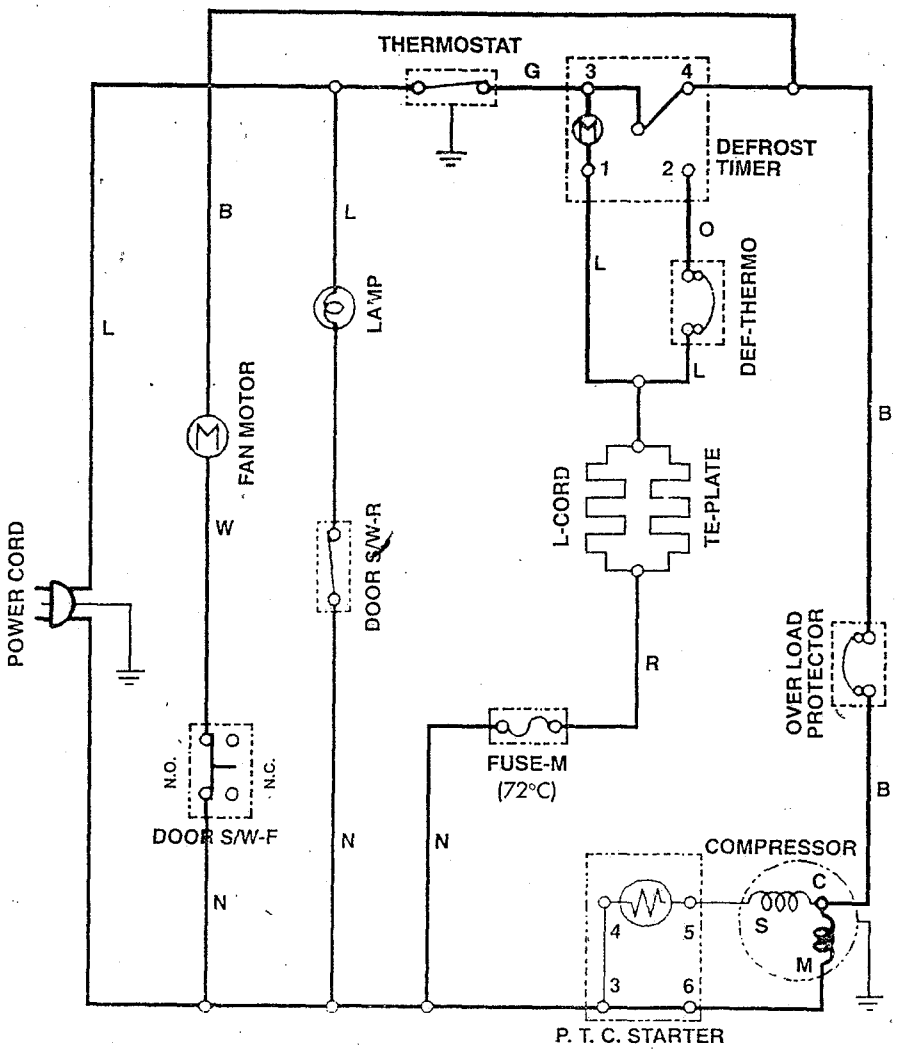
DEF-THERMO	TERMOSTATO BIMETALLO
L-CORD	RESISTENZA DI SBRINAMENTO
TE-PLATE	RESISTENZA SGOCCIOLATOIO
FUSE-M	FUSIBILE
P.T.C. STARTER	P.T.C.
OVER LOAD PROTECTOR	PROTETTORE TERMICO
COMPRESSOR	COMPRESSORE



B	BLACK/NERO
G	GRAY/GRIGIO
L	BROWN/MARRONE
N	BLUE/BLU

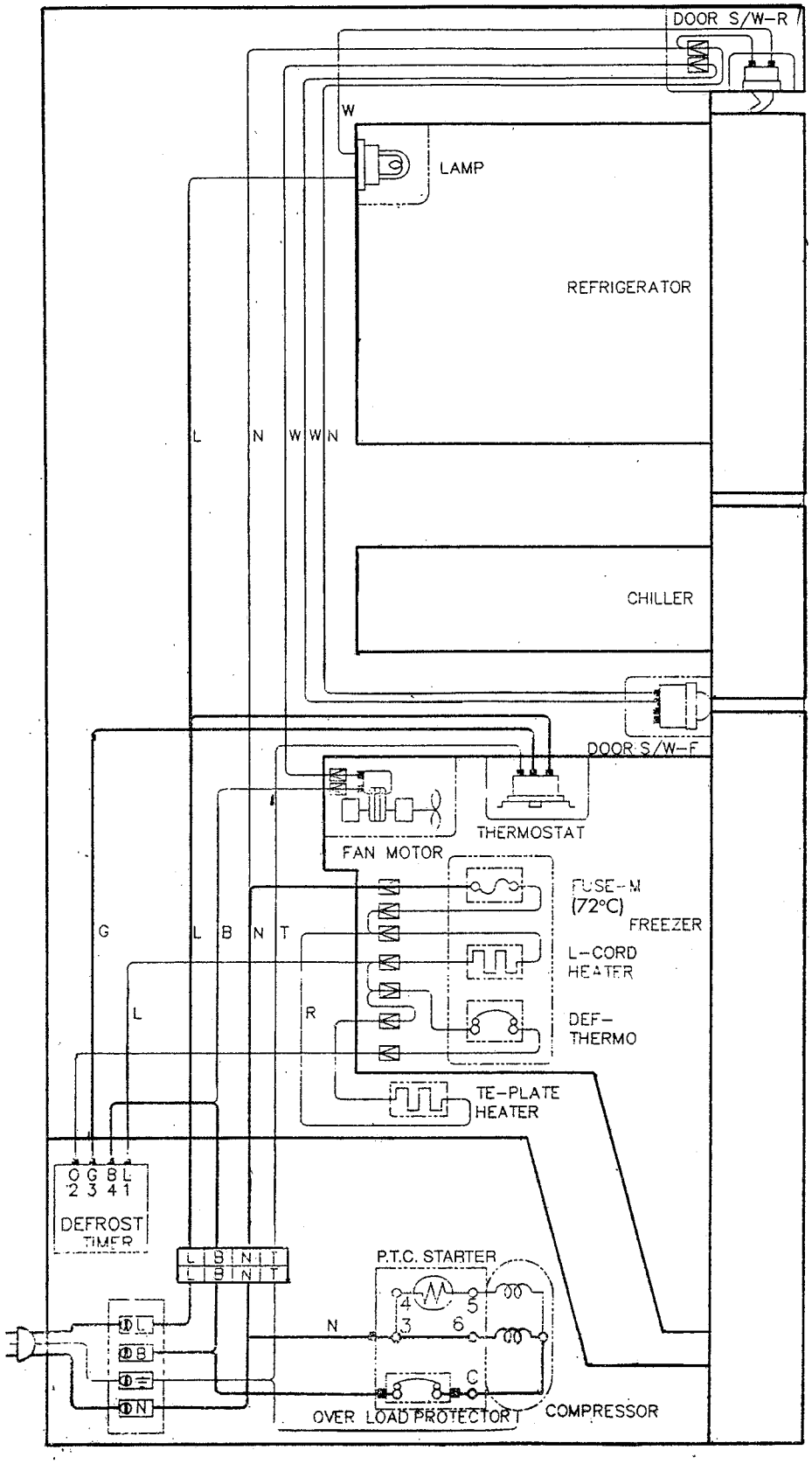
W	WHITE/BIANCO
O	ORANGE/ARANCIO
R	RED/ROSSO
T	YELLOW- GREEN/GIALLO - VERDE

4. GR-3533CRI / GR-3432CSI



POWER CORD	CAVO D'ALIMENTAZIONE
DOOR S/W-R	INTERRUTTORE PORTA FRIGORIFERO
LAMP	LAMPADA
DOOR S/W-F	INTERRUTTORE PORTA FREEZER
FAN MOTOR	VENTILATORE
THERMOSTAT	TERMOSTATO
DEFROST TIMER	TEMPORIZZATORE DI SBRINAMENTO

DEF-THERMO	TERMOSTATO BIMETALLO
L-CORD	RESISTENZA DI SBRINAMENTO
TE-PLATE	RESISTENZA SGOCCIOLATOIO
FUSE-M	FUSIBILE
P.T.C. STARTER	P.T.C.
OVER LOAD PROTECTOR	PROTETTORE TERMICO.
COMPRESSOR	COMPRESSORE

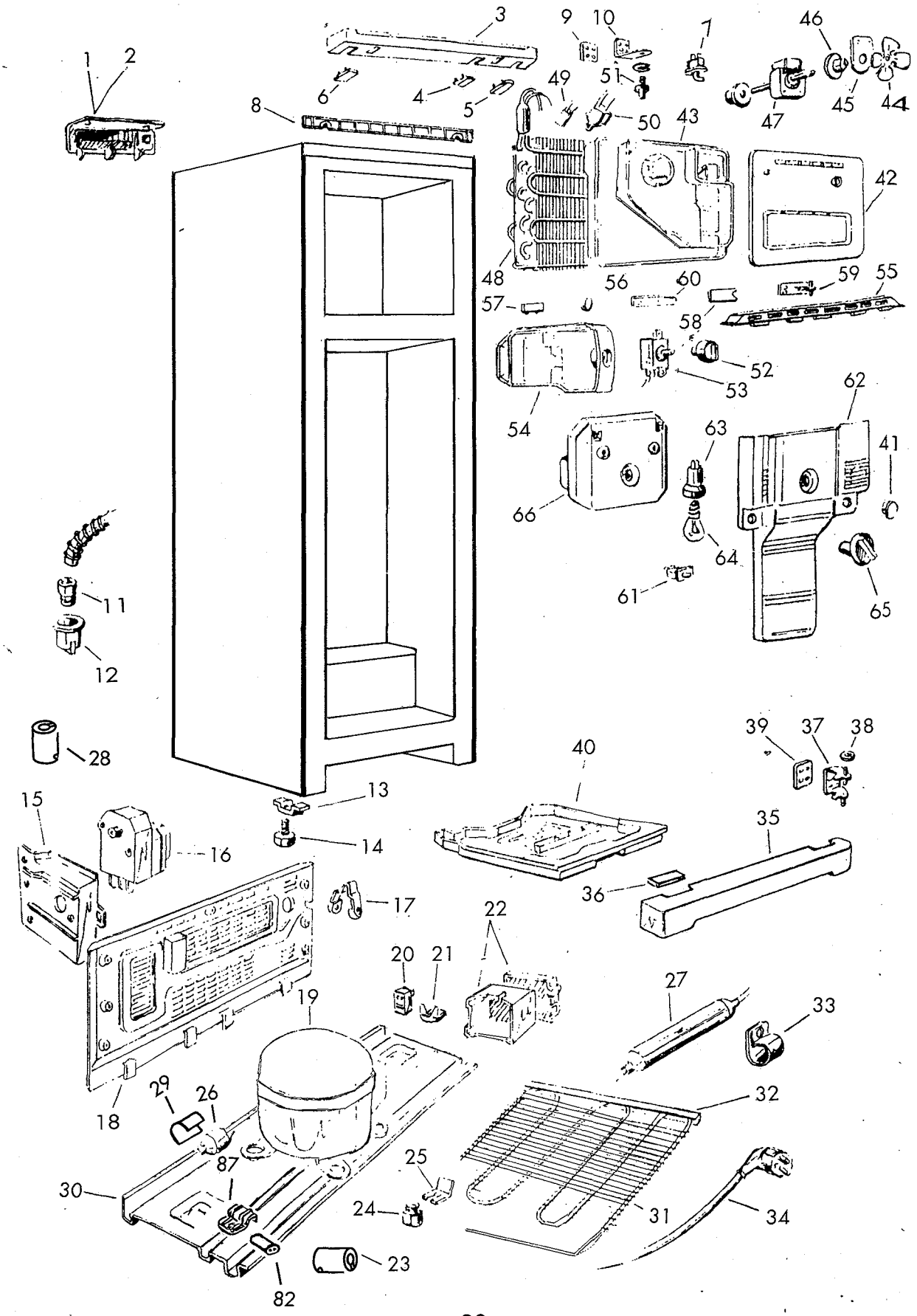


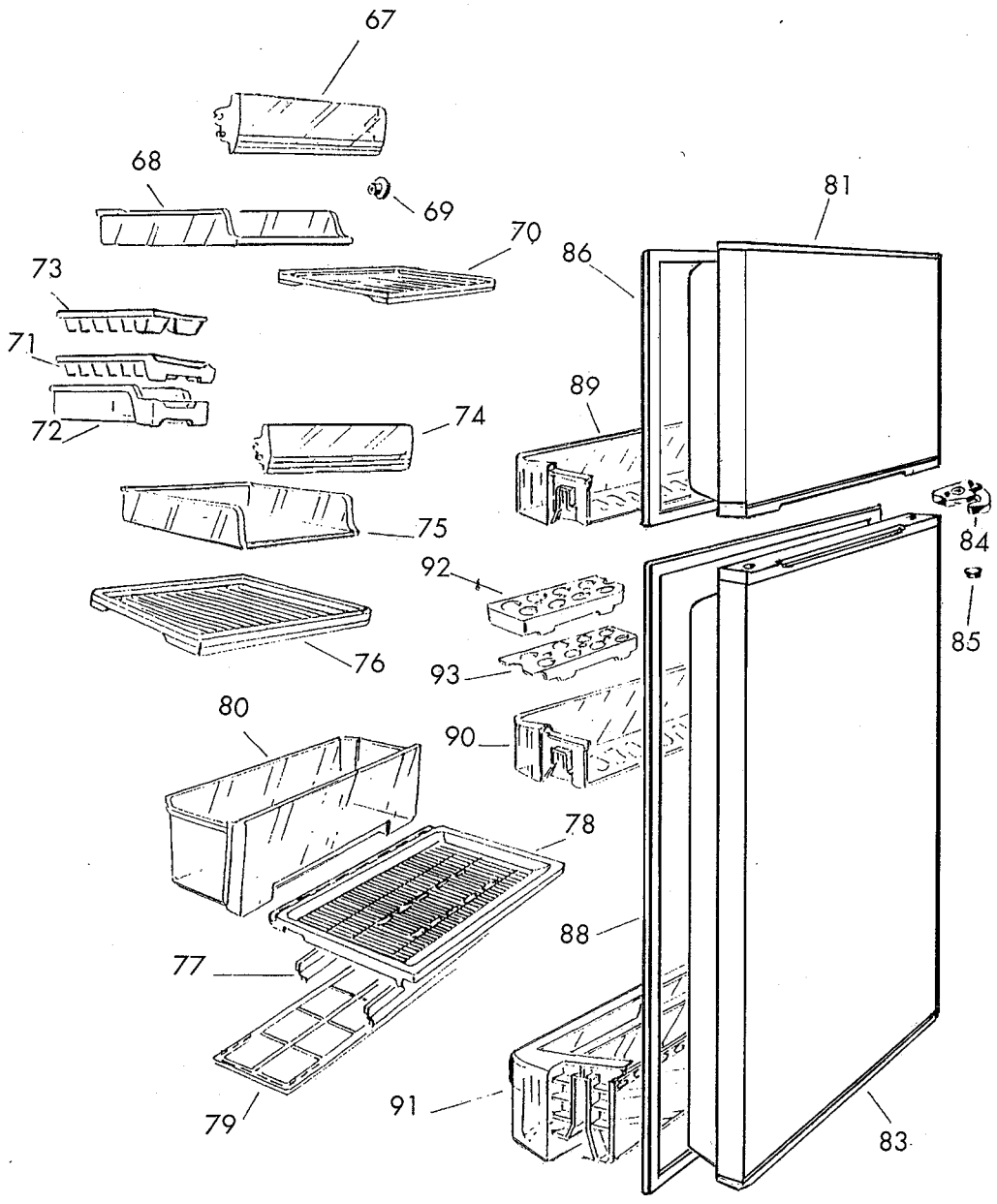
B	BLACK/NERO
G	GRAY/GRIGIO
L	BROWN/MARRONE
N	BLUE/BLU

W	WHITE/BIANCO
O	ORANGE/ARANCIO
R	RED/ROSSO
T	YELLOW- GREEN/GIALLO - VERDE

EXPLODED VIEW

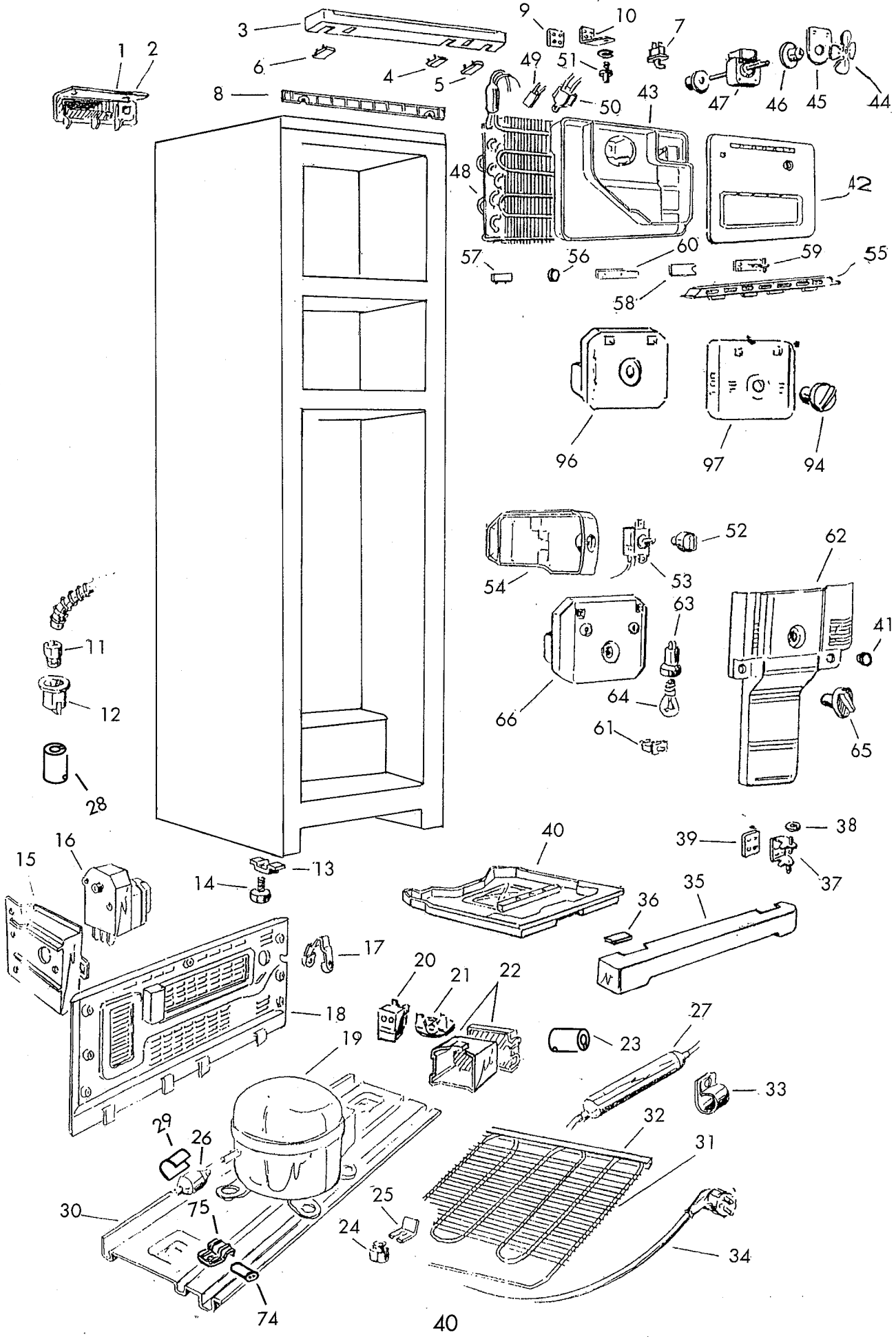
1. GR-3423DRI / GR-3322DSI

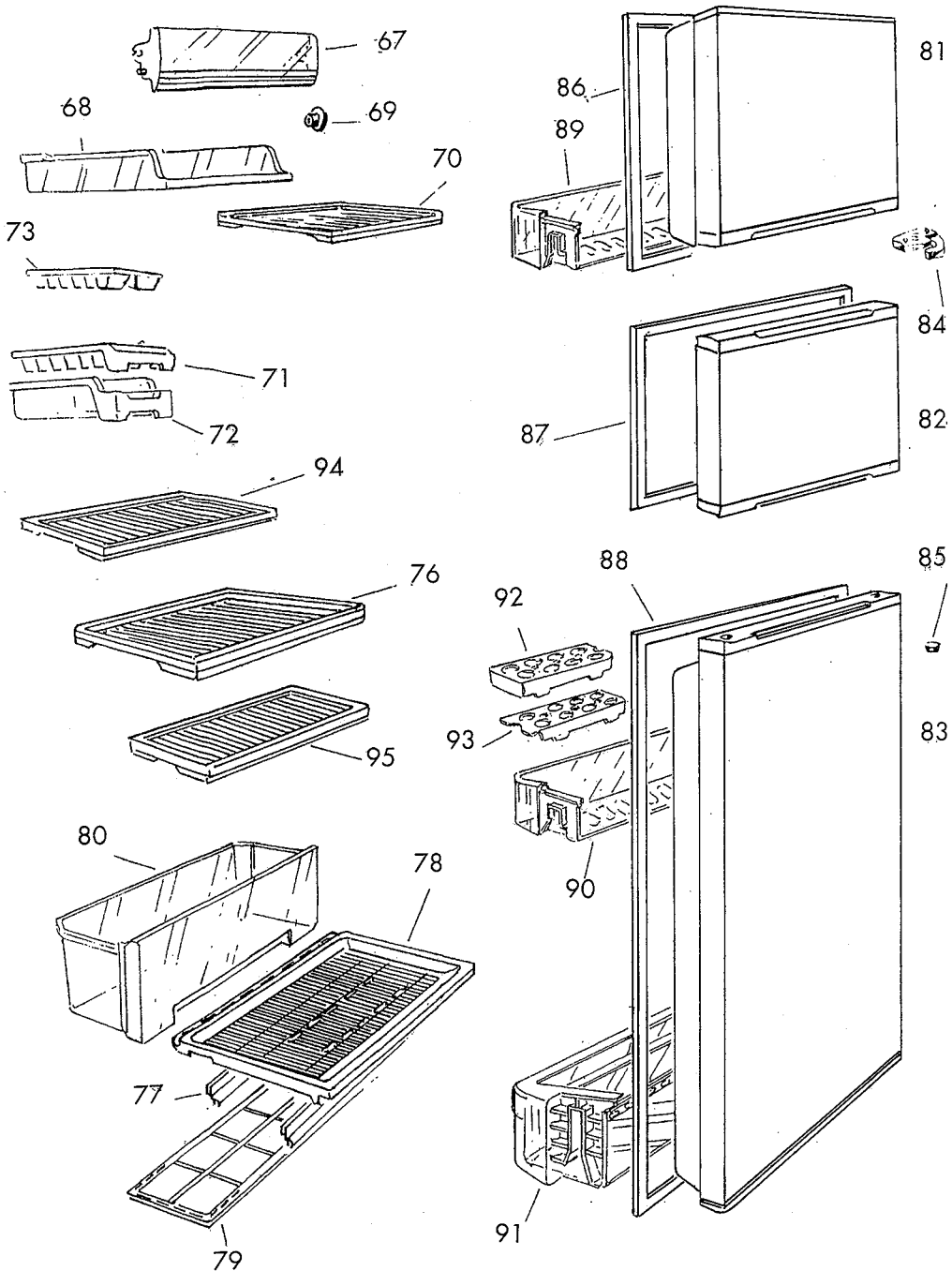




1. BACK HANDLE-RIGHT
2. BACK HANDLE-LEFT
3. TOP TABLE
4. COVER TOP SCREEW
5. COVER HINGE-U/S
6. COVER HINGE-U/L
7. DOOR SWITCH-FZ
8. SUPPORTER TOP TABLE
9. SEAT HINGE-U
10. HINGE UPPER
11. CONNECTOR DRAIN PIPE
12. CAP DRAIN
13. SUPPORTER ADJUST SCREW
14. ADJUST SCREW
15. SUPPORTER TIMER
16. DEFROST TIMER
17. STOPPER POWER CORD
18. COVER BACK MACHINE
19. COMPRESSOR
20. P.T.C. STARTER
21. OVER LOAD PROTECTOR
22. TERMINAL BOARD ASM
23. RUBBER CONDENSOR
24. RUBBER COMP.
25. STOPPER COMP. PIN
26. SILENSER
27. DRYER
28. RUBBER ANTIVIBRATION L.A.
29. RESISTRAINER
30. COMP. BASE
31. DRAIN CONDENSER
32. PROFILE CONDENSER
33. STOPPER DRYER
34. POWER CORD
35. COVER LOWER
36. CAP COVER LOWER
37. HINGE LOWER
38. WASHER
39. SEAT HINGE-L
40. TRAY DRIP
41. CAP SCREW
42. GRILLE FAN
43. SHROUD-F
44. FAN
45. SUPPORTER FAN MOTOR
46. RUBBER FAN MOTOR
47. FAN MOTOR
48. EVAPORATOR ASM
49. FUSE-M
50. DEFROST THERMOSTAT
51. HINGE-LI PIN
52. KNOB THERMOSTAT
53. THERMOSTAT
54. CONTROL BOX-FZ
55. GUIDE DUCT-F
56. COVER SCREW-C
57. COVER HOLE-C
58. COVER HINGE-C
59. HINGE-C
60. SEAT HINGE-C
61. DOOR SWITCH-R
62. CONTROL BOX-R ASM
63. LAMP SOCKET
64. LAMP
65. KNOB DAMPER-R
66. DAMPER ASM-R
67. DOOR FZ ROOM ASM
68. TRAY FZ ROOM
69. STOPPER DOOR ROOM
70. MULTI TRAY-FZ
71. CRYSTAL ICE TRAY-L
72. ICE CUBE STORAGE
73. CRYSTAL ICE TRAY-LI
74. DOOR CH. ROOM ASM
75. TRAY CH. ROOM
76. MULTI TRAY-R/L
77. GASKET COVER CRISPER
78. COVER CRISPER
79. HUMIDITY CONTROL FILTER
80. CRISPER
81. DOOR FOAM-FZ ASM
82. PIPE RUBBER
83. DOOR FOAM-R ASM
84. DOOR STOPPER-R
85. CAP BUSH HINCE
86. GASKET FZ SVC
87. BAND
88. GASKET-R SVC
89. DOOR BASKET-FZ
90. DOOR BASKET-R
91. DOOR BASKET BOTTLE
92. EGG TRAY-L
93. EGG TRAY-S

2. GR-3433DRI / GR-3332DSI





1. BACK HANDLE RIGHT
2. BACK HANDLE LEFT
3. TOP TABLE
4. COVER TOP SCREEW
5. COVER HINGE-U/S
6. COVER HINGE-U/L
7. DOOR SWITCH-FZ
8. SUPPORTER TOP TABLE
9. SEAT HINGE-U
10. HINGE UPPER
11. CONNECTOR DRAIN PIPE
12. CAP DRAIN
13. SUPPORTER ADJUST SCREW
14. ADJUST SCREW
15. SUPPORTER TIMER
16. DEFROST TIMER
17. STOPPER POWER CORD
18. COVER BACK MACHINE
19. COMPRESSOR
20. P.T.C. STARTER
21. OVER LOAD PROTECTOR
22. TERMINAL BOARD ASM
23. RUBBER CONDENSOR
24. RUBBER COMP.
25. STOPPER COMP. PIN
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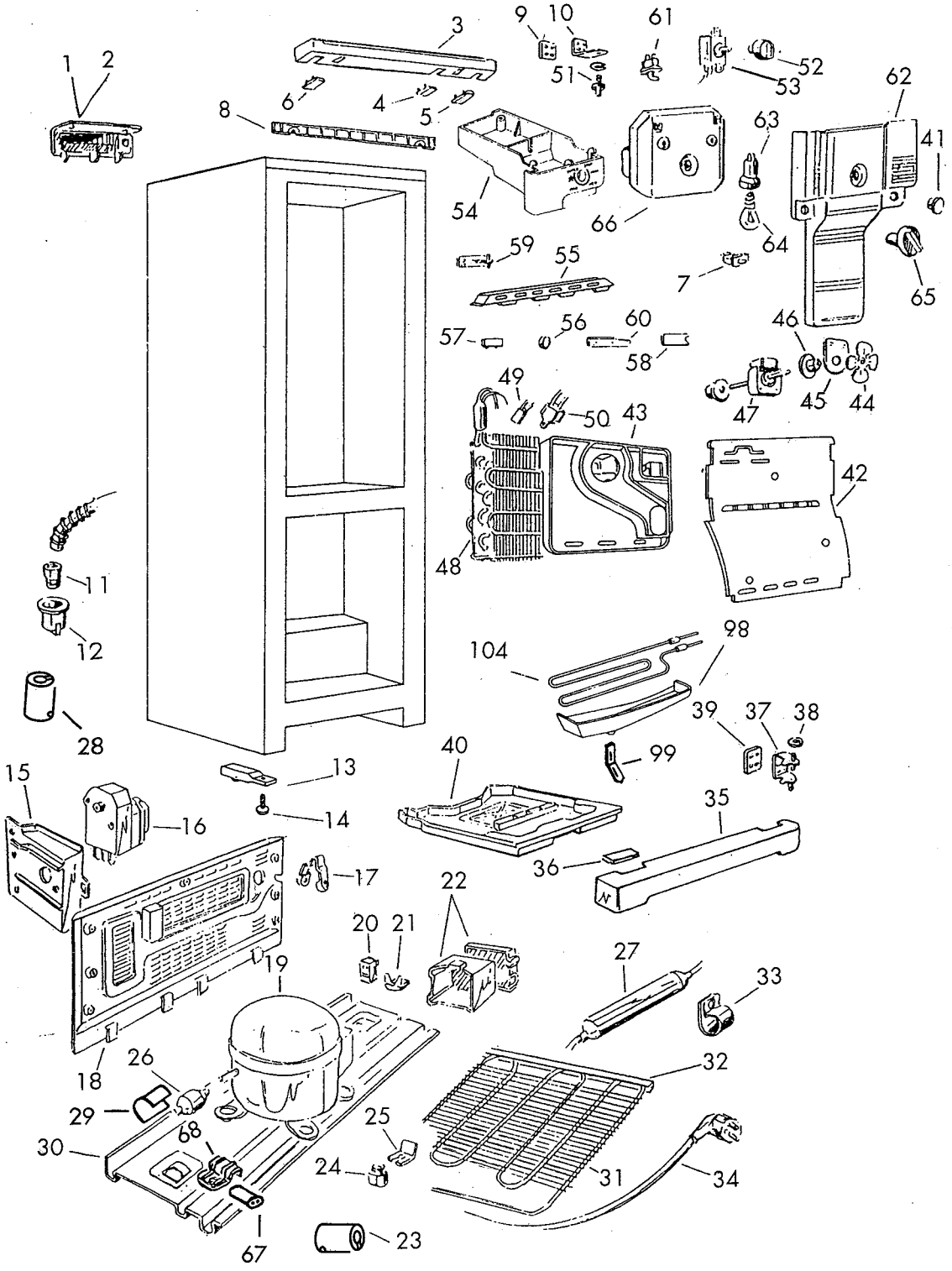
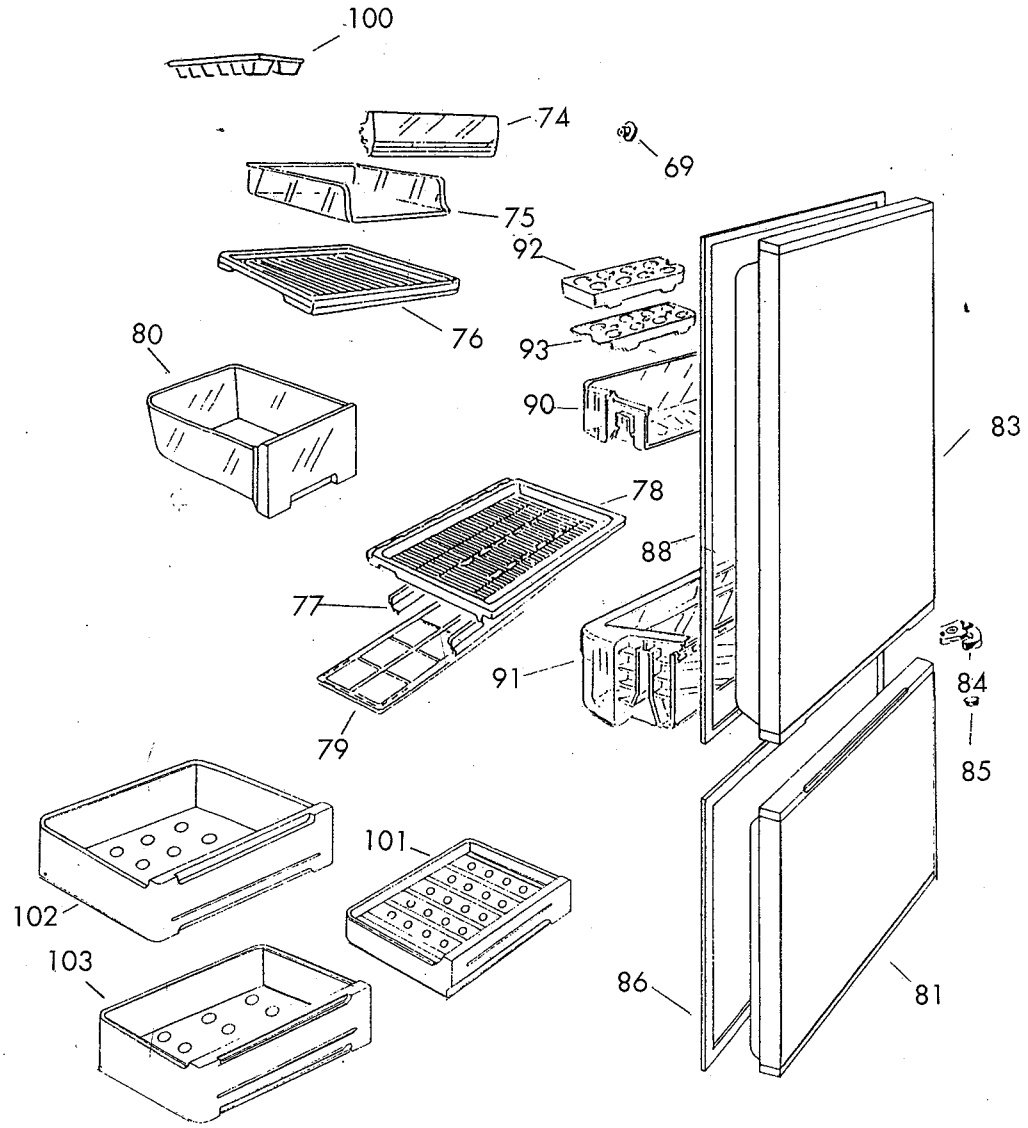
31. DRAIN CONDENSER
32. PROFILE CONDENSER
33. STOPPER DRYER
34. POWER CORD
35. COVER LOWER
36. CAP COVER LOWER
37. HINGE LOWER
38. WASHER
39. SEAT HINGE-L
40. TRAY DRIP
41. CAP SCREW
42. GRILLE FAN
43. SHROUD-F
44. FAN
45. SUPPORTER FAN MOTOR
46. RUBBER FAN MOTOR
47. FAN MOTOR
48. EVAPORATOR ASM
49. FUSE-M
50. DEFROST THERMOSTAT
51. HINGE-U PIN
52. KNOB THERMOSTAT
53. THERMOSTAT
54. CONTROL BOX-FZ
55. GUIDE DUCT-F
56. COVER SCREW-C
57. COVER HOLE-C
58. COVER HINGE-C
59. HINGE-C
60. SEAT HINGE-C
61. DOOR SWITCH-R
62. CONTROL BOX-R ASM
63. LAMP SOCKET
64. LAMP
65. KNOB DAMPER-R
66. DAMPER ASM-R
67. DOOR FZ ROOM ASM
68. TRAY FZ ROOM
69. STOPPER DOOR ROOM
70. MULTI TRAY-FZ
71. CRYSTAL ICE TRAY-L
72. ICE CUBE STORAGE
73. CRYSTAL ICE TRAY-U
74. PIPE RUBBER
75. BAND
76. MULTI TRAY-R/L
77. GASKET COVER CRISPER
78. COVER CRISPER
79. HUMIDITY CONTROL FILTER
80. CRISPER
81. DOOR FOAM-FZ ASM
82. DOOR FOAM-CH ASM
83. DOOR FOAM-R ASM
84. DOOR STOPPER-R
85. CAP BUSH HINCE
86. GASKET FZ SVC
87. GASKET-CH SVC
88. GASKET-R SVC
89. DOOR BASKET-FZ
90. DOOR BASKET-R
91. DOOR BASKET BOTTLE
92. EGG TRAY-L
93. EGG TRAY-S
94. MULTI TRAY R/S
95. MULTI TRAY-CH
96. DAMPER-CH ASM
97. CONTROL BOX-CH

3. GR-3823CRI / GR-3722CSI





1. BACK HANDLE RIGHT
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3. TOP TABLE
4. COVER TOP SCREEW
5. COVER HINGE U/S
6. COVER HINGE U/L
7. DOOR SWITCH FZ
8. SUPPORTER TOP TABLE
9. SEAT HINGE-U
10. HINGE UPPER
11. CONNECTOR DRAIN PIPE
12. CAP DRAIN
13. SUPPORTER ADJUST SCREW
14. ADJUST SCREW
15. SUPPORTER TIMER
16. DEFROST TIMER
17. STOPPER POWER CORD
18. COVER BACK MACHINE
19. COMPRESSOR
20. P.T.C. STARTER
21. OVER LOAD PROTECTOR
22. TERMINAL BOARD ASM
23. RUBBER CONDENSOR
24. RUBBER COMP.
25. STOPPER COMP. PIN
26. SILENCER
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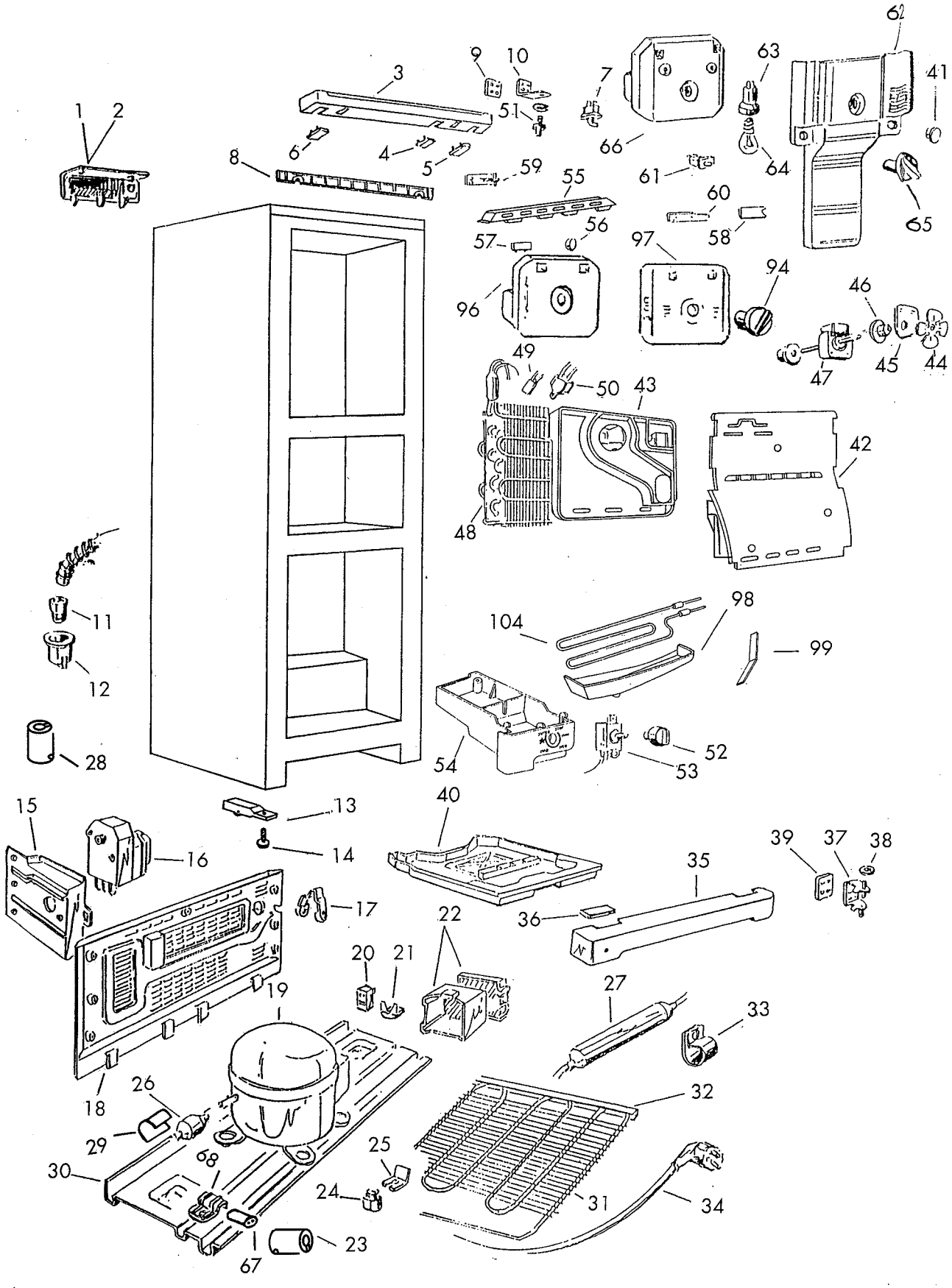
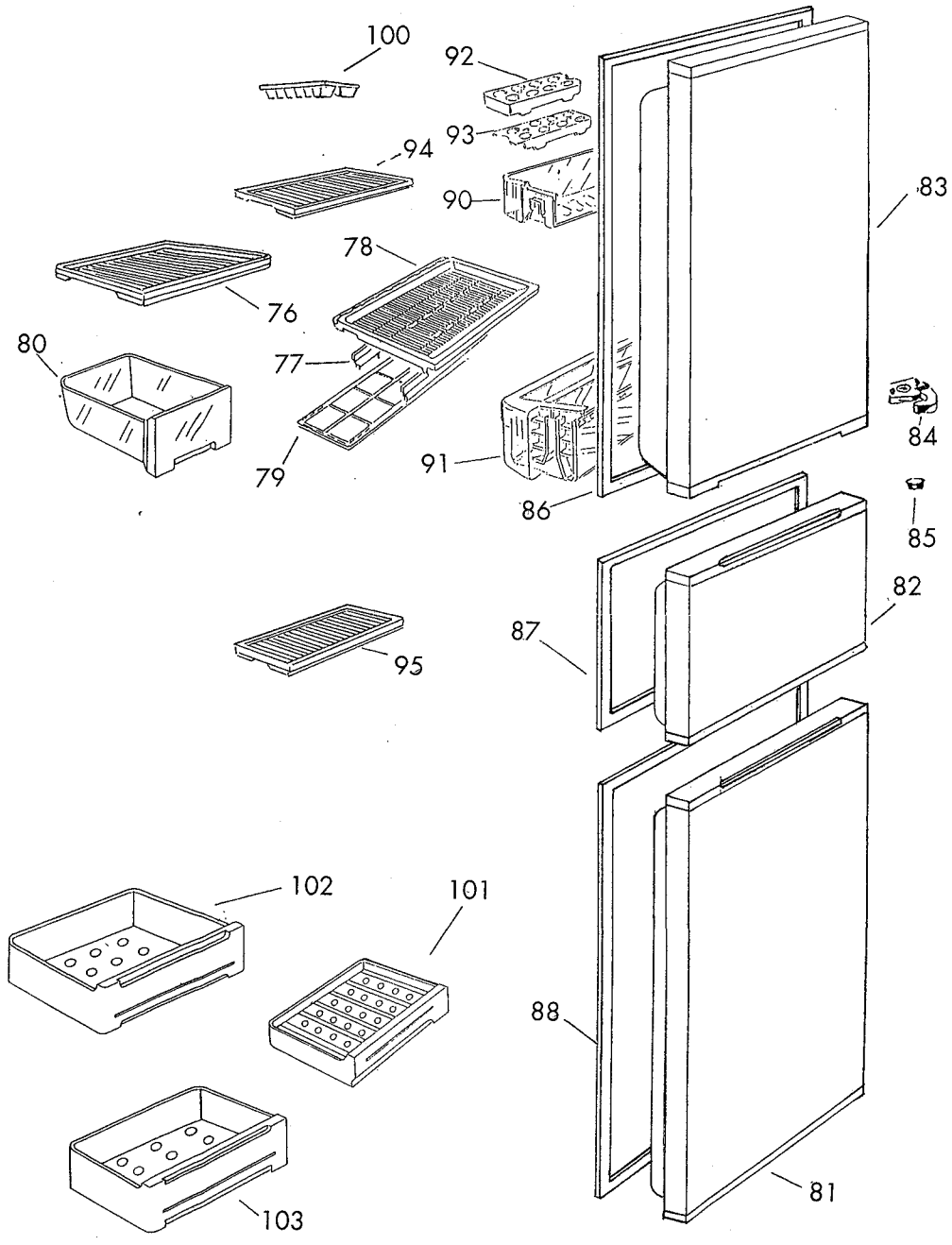
28. RUBBER ANTIVIBRATION L.A.
29. RESISTRAINER
30. COMP. BASE
31. DRAIN CONDENSER
32. PROFILE CONDENSER
33. STOPPER DRYER
34. POWER CORD
35. COVER LOWER
36. CAP COVER LOWER
37. HINGE LOWER
38. WASHER
39. SEAT HINGE-L
40. TRAY DRIP
41. CAP SCREW
42. GRILLE FAN
43. SHROUD-F
44. FAN
45. SUPPORTER FAN MOTOR
46. RUBBER FAN MOTOR
47. FAN MOTOR
48. EVAPORATOR ASM
49. FUSE-M
50. DEFROST THERMOSTAT
51. HINGE-U PIN
52. KNOB THERMOSTAT
53. THERMOSTAT
54. CONTROL BOX-FZ
55. GUIDE DUCT-F
56. COVER SCREW-C
57. COVER HOLE-C
58. COVER HINGE-C
59. HINGE-C
60. SEAT HINGE-C
61. DOOR SWITCH-R
62. CONTROL BOX-R ASM
63. LAMP SOCKET
64. LAMP
65. KNOB DAMPER-R
66. DAMPER ASM-R
67. PIPE RUBBER
68. BAND
69. STOPPER DOOR ROOM
74. DOOR CH. ROOM ASM
75. TRAY CH. ROOM
76. MULTI TRAY-R/L
77. GASKET COVER CRISPER
78. COVER CRISPER
79. HUMIDITY CONTROL FILTER
80. CRISPER
81. DOOR FOAM-FZ ASM
83. DOOR FOAM-R ASM
84. DOOR STOPPER-R
85. CAP BUSH HINCE
86. GASKET FZ SVC
88. GASKET-R SVC
90. DOOR BASKET-R
91. DOOR BASKET BOTTLE
92. EGG TRAY-L
93. EGG TRAY-S
98. PLATE DRAIN
99. TAIL PLATE DRAIN
100. ICE TRAY
101. BASKET QUICK FZ
102. BASKET FZ-U
103. BASKET FZ-L
104. HEATER CORD

4. GR-3533CRI / GR-3432CSI





1. BACK HANDLE RIGHT
2. BACK HANDLE LEFT
3. TOP TABLE
4. COVER TOP SCREW
5. COVER HINGE-U/S
6. COVER HINGE-U/L
7. DOOR SWITCH-FR
8. SUPPORTER TOP TABLE
9. SEAT HINGE-U
10. HINGE UPPER
11. CONNECTOR DRAIN PIPE
12. CAP DRAIN
13. SUPPORTER ADJUST SCREW
14. ADJUST SCREW
15. SUPPORTER TIMER
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47. FAN MOTOR
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50. DEFROST THERMOSTAT
51. HINGE-U PIN
52. KNOB THERMOSTAT
53. THERMOSTAT
54. CONTROL BOX-FZ
55. GUIDE DUCT-F
56. COVER SCREW-C
57. COVER HOLE-C
58. COVER HINGE-C
59. HINGE-C
60. SEAT HINGE-C
61. DOOR SWITCH-FZ
62. CONTROL BOX-R ASM
63. LAMP SOCKET
64. LAMP
65. KNOB DAMPER-R
66. DAMPER ASM-R
67. PIPE RUBBER
68. BAND
76. MULTI TRAY-R/L
77. GASKET COVER CRISPER
78. COVER CRISPER
79. HUMIDITY CONTROL FILTER
80. CRISPER
81. DOOR FOAM-FZ ASM
82. DOOR FOAM-CH ASM
83. DOOR FOAM-R ASM
84. DOOR STOPPER-R
85. CAP BUSH HINGE
86. GASKET FZ SVC
87. GASKET-CH SVC
88. GASKET-R SVC
90. DOOR BASKET-R
91. DOOR BASKET BOTTLE
92. EGG TRAY-L
93. EGG TRAY-S
94. MULTI TRAY-R/S
95. MULTI TRAY-CH
96. DAMPER-CH ASM
97. CONTROL BOX-CH
98. PLATE DRAIN
99. TAIL PLATE DRAIN
100. ICE TRAY
101. BASKET QUICK FZ
102. BASKET FZ-U
103. BASKET FZ-L
104. HEATER CORD

MEMO